

Projekt: 142-17 VRTEC KAMNITNIK

/ A-01

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK  
Bauteil : ARMATURA PLOŠČE TERASE  
Plan Nr. : A-01

**S T A H L L I S T E Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	D8	D12
1	1470	8	2.41	3542.70	
2	870	8	1.65	1435.50	
3	735	8	1.60	1176.00	
4	lfdm	12	1548.00		1548.00
5	lfdm	12	1440.00		1440.00
6	lfdm	12	90.00		90.00
Gesamtlängen				6154.20	3078.00
kg / m				D8 0.395	D12 0.888
kg / d				2430.909	2733.264

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Gesamtgewicht (kg) 5164.173  
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Projekt: 142-17 VRTEC KAMNITNIK

/ A-01

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA PLOŠČE TERASE

Plan Nr. : A-01

**M A T T E N L I S T E Betonstahl: BST 500 MA**

Pos.	Stk.	Typ	Länge	Breite	Q335_
1	4	Q335_	1.30	1.07	5.56
2	8	Q335_	6.00	1.07	51.36
4	12	Q335_	1.30	2.15	33.54
5	6	Q335_	3.00	2.15	38.70
10	104	Q335_	6.00	2.15	1341.60

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Gesamtflächen 1470.76

kg / m2 5.33

kg / Mattentyp 7839.172  
-----Gesamtgewicht (kg) 7839.172  
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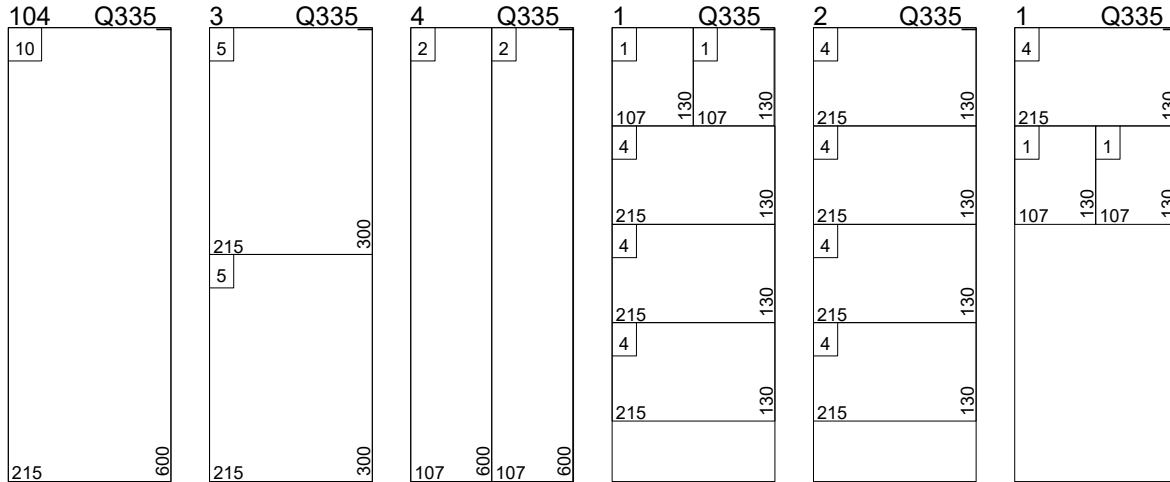
Projekt: 142-17 VRTEC KAMNITNIK

/ A-01

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK  
Bauteil : ARMATURA PLOŠČE TERASE  
Plan Nr. : A-01

**MATTENSCHNEIDESKIZZE Betonstahl: BST 500 MA**



**Gesamtstahlmenge brutto**

Stk.	Typ	Länge m	Breite m	Gewicht kg
115	Q335_	6.00	2.15	7907.056
Gesamtgewicht brutto (kg)				7907.056

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/ A-01

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK  
Bauteil : ARMATURA PLOŠČE TERASE  
Plan Nr. : A-01

**BIEGELISTE Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg																				
1	1470	8	2.41		A4		3542.70	1399.367																				
2	870	8	1.65		X1	 <table border="1"> <tr> <td>Nr.</td> <td>dx</td> <td>dy</td> <td>l</td> <td>α°</td> </tr> <tr> <td>1</td> <td>0.80</td> <td>0.00</td> <td>0.79</td> <td>-113</td> </tr> <tr> <td>2</td> <td>-0.04</td> <td>-0.10</td> <td>0.10</td> <td>-67</td> </tr> <tr> <td>3</td> <td>-0.76</td> <td>0.00</td> <td>0.76</td> <td></td> </tr> </table>	Nr.	dx	dy	l	α°	1	0.80	0.00	0.79	-113	2	-0.04	-0.10	0.10	-67	3	-0.76	0.00	0.76		1435.50	567.023
Nr.	dx	dy	l	α°																								
1	0.80	0.00	0.79	-113																								
2	-0.04	-0.10	0.10	-67																								
3	-0.76	0.00	0.76																									
3	735	8	1.60		A3		1176.00	464.520																				
4	lfdm	12	1548		VE		1548.00	1374.624																				
5	lfdm	12	1440		VE		1440.00	1278.720																				
6	lfdm	12	90		VE		90.00	79.920																				

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Gesamtgewicht (kg) 5164.173

Projekt: 142-17 VRTEC KAMNITNIK

/ A-01.1

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA VHODNE TERASE, PREČNIH PLOŠČNIKOV...

Plan Nr. : A-01.1

**S T A H L L I S T E Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	D8	D12
1	2019	8	2.45	4946.55	
2	151	8	1.20	181.20	
3	2019	8	1.59	3210.21	
4	lfdm	12	378.00		378.00
5	lfdm	12	3636.00		3636.00
6	64	12	1.82		116.48
7	20	8	1.96	39.20	
8	488	8	1.09	531.92	
Gesamtlängen				8909.08	4130.48
kg / m				D8 0.395	D12 0.888
kg / d				3519.087	3667.866

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 Gesamtgewicht (kg) 7186.953  
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Projekt: 142-17 VRTEC KAMNITNIK

/ A-01.1

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA VHODNE TERASE, PREČNIH PLOŠČNIKOV...

Plan Nr. : A-01.1

**M A T T E N L I S T E Betonstahl: BST 500 MA**

Pos.	Stk.	Typ	Länge	Breite	Q283	Q335_
1	6	Q335_	2.00	2.15		25.80
2	20	Q335_	6.00	1.08		129.60
3	4	Q335_	3.22	2.15		27.69
4	2	Q335_	3.00	2.15		12.90
5	2	Q335_	1.20	2.15		5.16
6	10	Q335_	2.00	1.08		21.60
7	88	Q335_	6.00	2.15		1135.20
8	2	Q283	6.00	1.08	12.96	
9	8	Q283	3.00	1.08	25.92	
10	4	Q283	2.45	2.15	21.07	
11	6	Q283	6.00	2.15	77.40	
12	2	Q283	5.00	2.15	21.50	
13	8	Q283	3.00	2.15	51.60	

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Gesamtflächen	210.45	1357.95
kg / m2	4.44	5.33
kg / Mattentyp	934.398	7237.884

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Gesamtgewicht (kg) 8172.282

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Projekt: 142-17 VRTEC KAMNITNIK

/ A-01.1

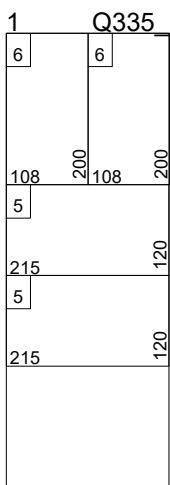
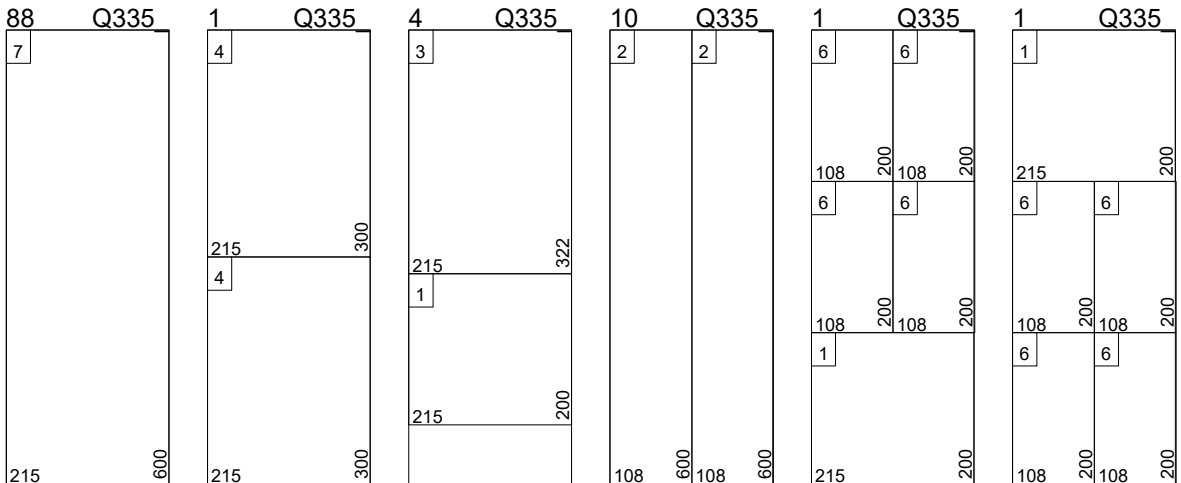
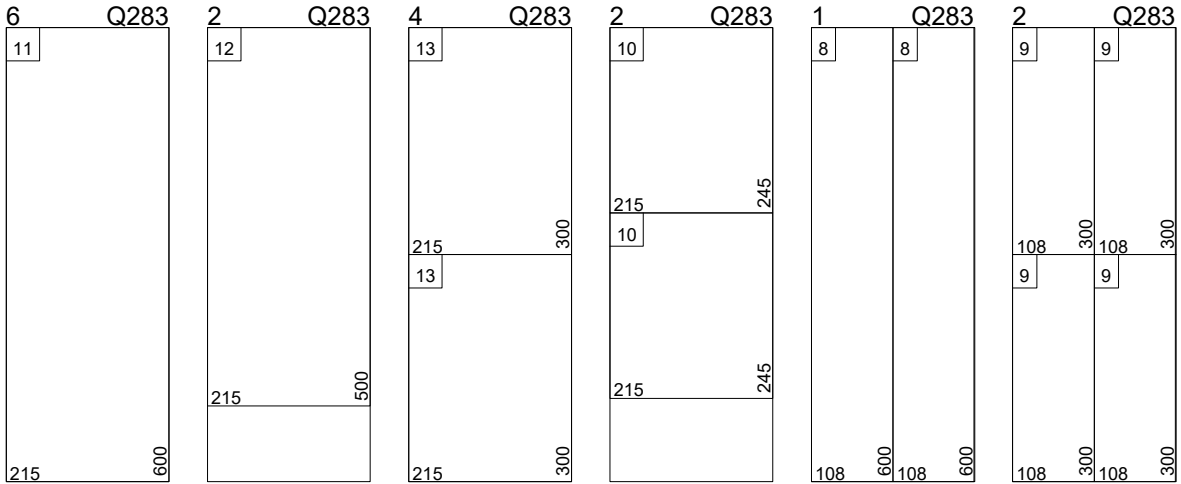
**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA VHODNE TERASE, PREČNIH PLOŠČNIKOV...

Plan Nr. : A-01.1

**MATTENSCHNEIDESKIZZE Betonstahl: BST 500 MA**



Projekt: 142-17 VRTEC KAMNITNIK

/ A-01.1

## MATTENSCHNEIDESKIZZE Betonstahl: BST 500 MA

## Gesamtstahlmenge brutto

Stk.	Typ	Länge m	Breite m	Gewicht kg
17	Q283	6.00	2.15	973.692
106	Q335_	6.00	2.15	7288.242
Gesamtgewicht brutto (kg)				8261.934



Projekt: 142-17 VRTEC KAMNITNIK

/ A-01.1

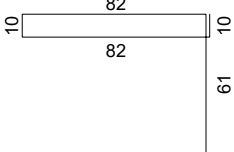
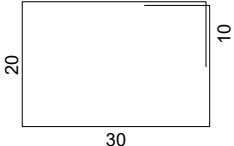
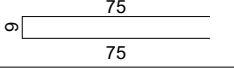
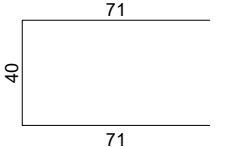
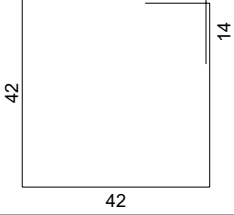
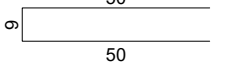
**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA VHODNE TERASE, PREČNIH PLOŠČNIKOV...

Plan Nr. : A-01.1

**BIEGELISTE Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
1	2019	8	2.45		A4		4946.55	1953.887
2	151	8	1.20		B2	 Winkel 0 Grad	181.20	71.574
3	2019	8	1.59		A3		3210.21	1268.033
4	lfdm	12	378		VE		378.00	335.664
5	lfdm	12	3636		VE		3636.00	3228.768
6	64	12	1.82		A3		116.48	103.434
7	20	8	1.96		B2	 Winkel 0 Grad	39.20	15.484
8	488	8	1.09		A3		531.92	210.108

Gesamtgewicht (kg) 7186.953

Projekt: 142-17 VRTEC KAMNITNIK

/ A-02,A-03,A-04

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA TEMELJNE PLOŠČE-SPODNJA CONA

Plan Nr. : A-02,A-03,A-04

**S T A H L L I S T E Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	D10	D12	D14	D16	D20	D22
1	1898	12	3.00		5694.00				
2	2052	10	2.28	4678.56					
3	453	10	3.05	1381.65					
4	13	12	1.50		19.50				
5	125	20	12.00					1500.00	
6	20	20	2.50					50.00	
7	353	12	12.00		4236.00				
8	52	12	1.85		96.20				
9	1442	10	2.02	2912.84					
10	197	12	3.30		650.10				
11	473	10	2.00	946.00					
12	361	10	1.95	703.95					
13	107	10	2.10	224.70					
14	15	10	2.70	40.50					
15	60	10	3.20	192.00					
16	15	20	2.80					42.00	
17	39	12	2.15		83.85				
18	15	20	3.10					46.50	
19	35	14	2.45			85.75			
20	5	20	6.00					30.00	
21	13	12	5.35		69.55				
22	326	16	2.25			733.50			
23	5	20	1.50					7.50	
24	290	12	2.05		594.50				
25	13	12	3.20		41.60				
26	5	20	3.20					16.00	
27	454	10	1.72	780.88					
28	154	12	2.70		415.80				
29	39	12	4.30		167.70				
30	15	20	4.30					64.50	
31	26	12	5.30		137.80				
32	10	20	5.30					53.00	
33	44	20	2.50					110.00	
34	396	12	3.35		1326.60				
35	13	12	1.80		23.40				
36	5	20	3.60					18.00	
37	13	12	3.70		48.10				
38	5	22	6.50						32.50
39	13	12	5.85		76.05				
40	10	20	5.00					50.00	
41	221	10	1.90	419.90					
42	56	14	12.00			672.00			
43	14	14	8.15			114.10			
44	14	14	4.50			63.00			
45	52	10	2.64	137.28					
46	126	10	2.74	345.24					
47	39	12	2.30		89.70				
48	15	20	2.30					34.50	
49	13	12	4.00		52.00				
50	5	20	5.25					26.25	
51	13	12	3.60		46.80				
52	412	12	2.52		1038.24				
53	720	10	1.70	1224.00					
54	40	12	3.10		124.00				
55	20	20	3.75					75.00	
56	20	16	6.00				120.00		
57	28	16	8.15				228.20		
58	896	10	1.88	1684.48					

Projekt: 142-17 VRTEC KAMNITNIK

/ A-02,A-03,A-04

**S T A H L L I S T E Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	D10	D12	D14	D16	D20	D22
59	374	10	1.36	508.64					
60	12	16	11.65				139.80		
61	1523	10	2.10	3198.30					
62	382	16	1.75				668.50		
63	8	16	1.90				15.20		
64	100	10	2.40	240.00					
65	94	10	3.70	347.80					
66	30	10	3.10	93.00					
67	27	10	2.70	72.90					
68	28	12	3.37		94.36				
69	40	10	2.82	112.80					
70	20	10	3.12	62.40					
71	38	10	3.20	121.60					
72	28	12	3.57		99.96				
73	20	10	3.52	70.40					
74	10	20	3.00					30.00	
75	92	10	0.73	67.16					
76	116	10	0.70	81.20					
77	10	16	4.00				40.00		
78	8	16	2.10				16.80		
79	8	16	1.90				15.20		
80	8	16	1.90				15.20		
81	8	16	2.70				21.60		
82	20	20	12.00					240.00	
83	20	20	4.55					91.00	
84	32	12	1.90		60.80				
85	300	12	2.22		666.00				
86	28	10	1.78	49.84					
87	56	10	1.32	73.92					
88	4	16	3.50				14.00		
89	44	16	12.00				528.00		
90	10	16	3.75				37.50		
91	8	16	8.00				64.00		
92	2	16	5.75				11.50		
93	9	16	6.50				58.50		
94	2	16	8.40				16.80		
95	16	16	4.50				72.00		
96	8	16	11.00				88.00		
97	4	16	10.00				40.00		
98	2	16	2.05				4.10		
99	2	16	6.00				12.00		
100	2	16	4.50				9.00		
101	6	16	6.30				37.80		
102	4	16	6.00				24.00		
103	150	20	2.10					315.00	
104	72	12	2.50		180.00				
105	685	10	4.00	2740.00					
106	216	16	4.00				864.00		
107	113	16	2.50				282.50		
108	27	16	6.00				162.00		
109	4200	12	1.05		4410.00				
Gesamtlängen				23511.94		934.85		2799.25	
kg / m				D10 0.617		D14 1.210		D20 2.470	
kg / d				14506.867		1131.169		6914.148	

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Gesamtlängen				20542.61		4339.70		32.50	
kg / m				D12 0.888		D16 1.580		D22 2.981	
kg / d				18241.838		6856.726		96.882	

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Gesamtgewicht (kg) 47747.630

Projekt: 142-17 VRTEC KAMNITNIK

/ A-02,A-03,A-04

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA TEMELJNE PLOŠČE-SPODNJA CONA

Plan Nr. : A-02,A-03,A-04

**M A T T E N L I S T E Betonstahl: BST 500 MA**

Pos.	Stk.	Typ	Länge	Breite	Q524
1	194	Q524	6.00	2.15	2502.60
2	28	Q524	3.00	2.15	180.60
3	1	Q524	3.63	2.15	7.80
4	1	Q524	3.80	2.15	8.17
5	14	Q524	2.00	2.15	60.20
6	5	Q524	1.00	2.15	10.75
7	3	Q524	3.55	2.15	22.90
8	1	Q524	5.00	2.15	10.75
9	4	Q524	6.00	1.08	25.92
10	2	Q524	3.00	1.08	6.48
11	3	Q524	3.45	2.15	22.25
12	8	Q524	1.50	2.15	25.80
13	5	Q524	3.96	2.15	42.57
14	2	Q524	4.51	2.15	19.39

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Gesamtflächen 2946.19

kg / m2 8.32

kg / Mattentyp 24512.279  
-----Gesamtgewicht (kg) 24512.279  
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Projekt: 142-17 VRTEC KAMNITNIK

/ A-02,A-03,A-04

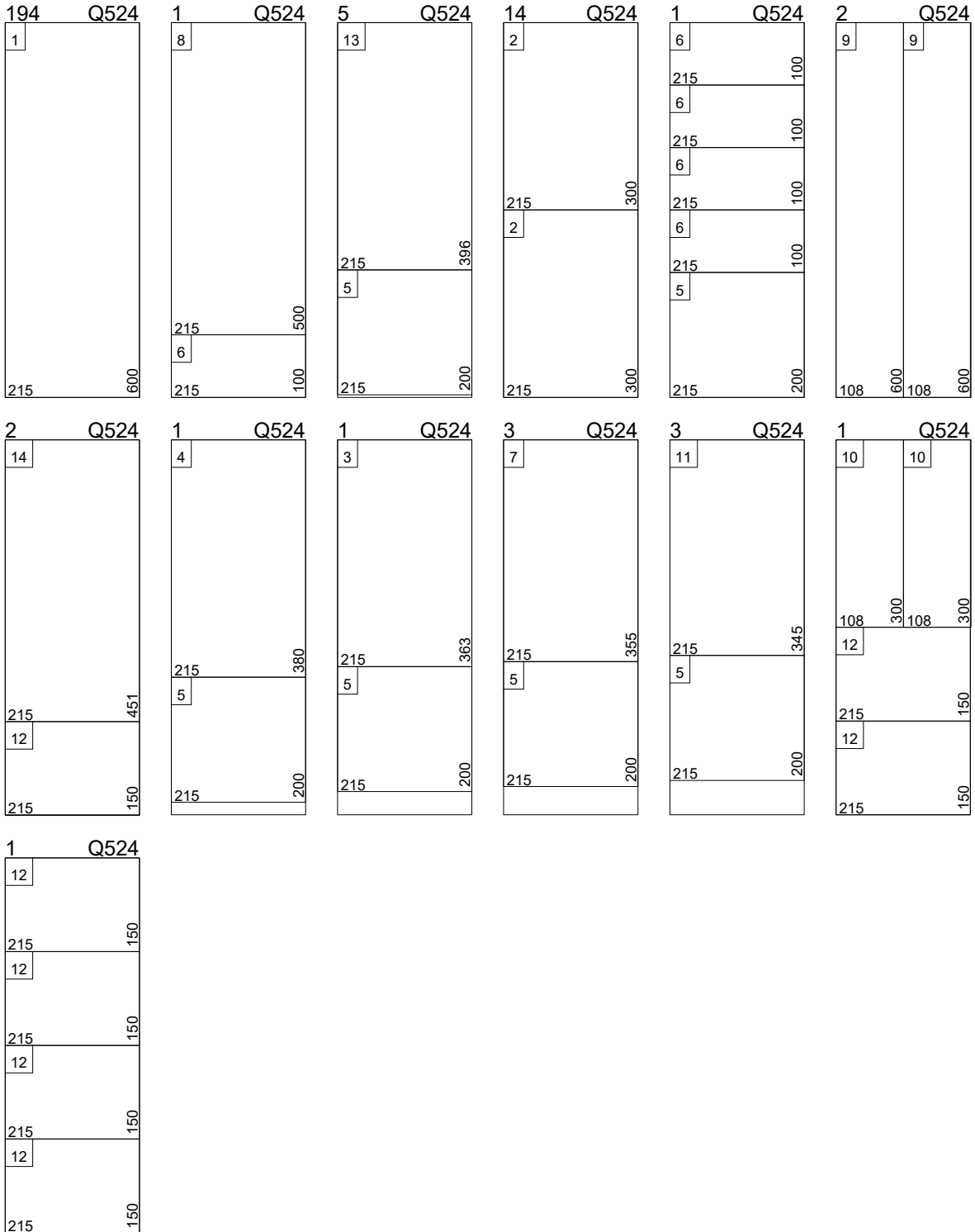
**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA TEMELJNE PLOŠČE-SPODNJA CONA

Plan Nr. : A-02,A-03,A-04

**MATTENSCHNEIDESKIZZE Betonstahl: BST 500 MA**



Projekt: 142-17 VRTEC KAMNITNIK

/ A-02,A-03,A-04

MATTENSCHNEIDESKIZZE Betonstahl: BST 500 MA

Gesamtstahlmenge brutto

Stk.	Typ	Länge m	Breite m	Gewicht kg
229	Q524	6.00	2.15	24578.112
Gesamtgewicht brutto (kg)				24578.112

Projekt: 142-17 VRTEC KAMNITNIK

/ A-02,A-03,A-04

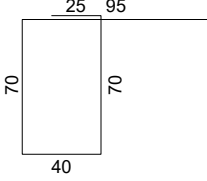
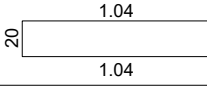
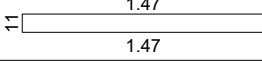
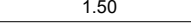
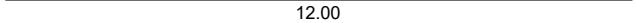
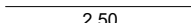
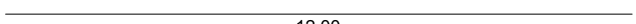

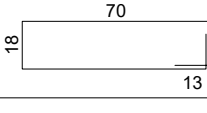
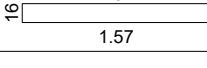
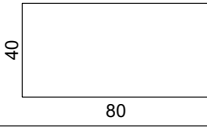
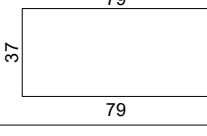
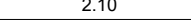
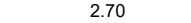
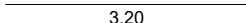
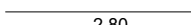
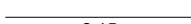

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA TEMELJNE PLOŠČE-SPODNJA CONA

Plan Nr. : A-02,A-03,A-04

**BIEGELISTE Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
1	1898	12	3.00		A4		5694.00	5056.272
2	2052	10	2.28		A3		4678.56	2886.671
3	453	10	3.05		A3		1381.65	852.478
4	13	12	1.50		A1		19.50	17.316
5	125	20	12.00		A1		1500.00	3705.000
6	20	20	2.50		A1		50.00	123.500
7	353	12	12.00		A1		4236.00	3761.568
8	52	12	1.85		A1		96.20	85.426
9	1442	10	2.02		B2	 Winkel 0 Grad	2912.84	1797.222
10	197	12	3.30		A3		650.10	577.289
11	473	10	2.00		A3		946.00	583.682
12	361	10	1.95		A3		703.95	434.337
13	107	10	2.10		A1		224.70	138.640
14	15	10	2.70		A1		40.50	24.988
15	60	10	3.20		A1		192.00	118.464
16	15	20	2.80		A1		42.00	103.740
17	39	12	2.15		A1		83.85	74.459
18	15	20	3.10		A1		46.50	114.855

BIEGELISTE Betonstahl: BST 500 S

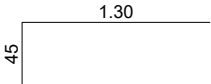
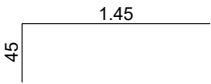
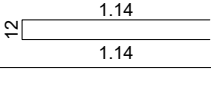
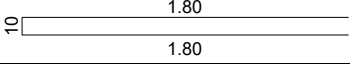
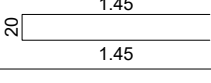
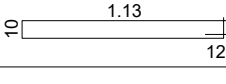
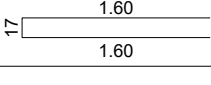
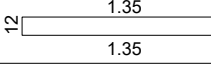
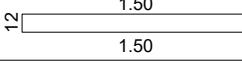
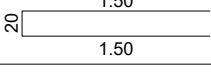
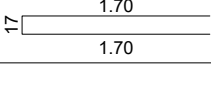
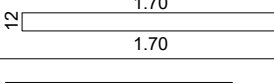
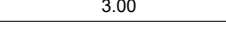
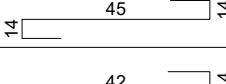
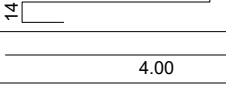
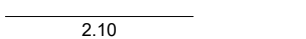
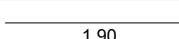
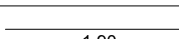
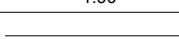
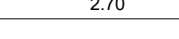
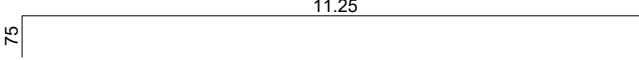
Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
19	35	14	2.45		A1		85.75	103.758
20	5	20	6.00		A1		30.00	74.100
21	13	12	5.35		A1		69.55	61.760
22	326	16	2.25		A2		733.50	1158.930
23	5	20	1.50		A1		7.50	18.525
24	290	12	2.05		A3		594.50	527.916
25	13	12	3.20		A1		41.60	36.941
26	5	20	3.20		A1		16.00	39.520
27	454	10	1.72		B2		780.88	481.803
28	154	12	2.70		A4		415.80	369.230
29	39	12	4.30		A1		167.70	148.918
30	15	20	4.30		A1		64.50	159.315
31	26	12	5.30		A1		137.80	122.366
32	10	20	5.30		A1		53.00	130.910
33	44	20	2.50		A2		110.00	271.700
34	396	12	3.35		A3		1326.60	1178.021
35	13	12	1.80		A1		23.40	20.779
36	5	20	3.60		A1		18.00	44.460
37	13	12	3.70		A1		48.10	42.713
38	5	22	6.50		A1		32.50	96.882
39	13	12	5.85		A1		76.05	67.532



BIEGELISTE Betonstahl: BST 500 S

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
40	10	20	5.00		A1		50.00	123.500
41	221	10	1.90		A1		419.90	259.078
42	56	14	12.00		A1		672.00	813.120
43	14	14	8.15		A1		114.10	138.061
44	14	14	4.50		A1		63.00	76.230
45	52	10	2.64		A3		137.28	84.702
46	126	10	2.74		A3		345.24	213.013
47	39	12	2.30		A1		89.70	79.654
48	15	20	2.30		A1		34.50	85.215
49	13	12	4.00		A1		52.00	46.176
50	5	20	5.25		A1		26.25	64.838
51	13	12	3.60		A1		46.80	41.558
52	412	12	2.52		B2		1038.24	921.957
53	720	10	1.70		A1		1224.00	755.208
54	40	12	3.10		A1		124.00	110.112
55	20	20	3.75		A1		75.00	185.250
56	20	16	6.00		A1		120.00	189.600
57	28	16	8.15		A1		228.20	360.556
58	896	10	1.88		A3		1684.48	1039.324
59	374	10	1.36		B2		508.64	313.831
60	12	16	11.65		A1		139.80	220.884
61	1523	10	2.10		A3		3198.30	1973.351

BIEGELISTE Betonstahl: BST 500 S

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
62	382	16	1.75		A2		668.50	1056.230
63	8	16	1.90		A2		15.20	24.016
64	100	10	2.40		A3		240.00	148.080
65	94	10	3.70		A3		347.80	214.593
66	30	10	3.10		A3		93.00	57.381
67	27	10	2.70		B2	 Winkel 0 Grad	72.90	44.979
68	28	12	3.37		A3		94.36	83.792
69	40	10	2.82		A3		112.80	69.598
70	20	10	3.12		A3		62.40	38.501
71	38	10	3.20		A3		121.60	75.027
72	28	12	3.57		A3		99.96	88.764
73	20	10	3.52		A3		70.40	43.437
74	10	20	3.00		A1		30.00	74.100
75	92	10	0.73		A1		67.16	41.438
76	116	10	0.70		A1		81.20	50.100
77	10	16	4.00		A1		40.00	63.200
78	8	16	2.10		A1		16.80	26.544
79	8	16	1.90		A1		15.20	24.016
80	8	16	1.90		A1		15.20	24.016
81	8	16	2.70		A1		21.60	34.128
82	20	20	12.00		A2		240.00	592.800

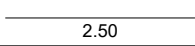
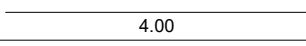
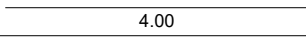
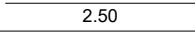
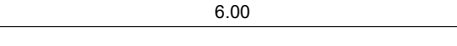
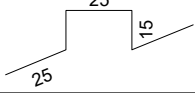
BIEGELISTE Betonstahl: BST 500 S

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
83	20	20	4.55		A2		91.00	224.770
84	32	12	1.90		A1		60.80	53.990
85	300	12	2.22		B2		666.00	591.408
86	28	10	1.78		B2		49.84	30.751
87	56	10	1.32		C1		73.92	45.609
88	4	16	3.50		A1		14.00	22.120
89	44	16	12.00		A1		528.00	834.240
90	10	16	3.75		A1		37.50	59.250
91	8	16	8.00		A1		64.00	101.120
92	2	16	5.75		A1		11.50	18.170
93	9	16	6.50		A1		58.50	92.430
94	2	16	8.40		A1		16.80	26.544
95	16	16	4.50		A1		72.00	113.760
96	8	16	11.00		A1		88.00	139.040
97	4	16	10.00		A1		40.00	63.200
98	2	16	2.05		A1		4.10	6.478
99	2	16	6.00		A1		12.00	18.960
100	2	16	4.50		A1		9.00	14.220
101	6	16	6.30		A1		37.80	59.724
102	4	16	6.00		A1		24.00	37.920
103	150	20	2.10		A2		315.00	778.050

Projekt: 142-17 VRTEC KAMNITNIK

/ A-02,A-03,A-04

**BIEGELISTE Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
104	72	12	2.50		A1		180.00	159.840
105	685	10	4.00		A1		2740.00	1690.580
106	216	16	4.00		A1		864.00	1365.120
107	113	16	2.50		A1		282.50	446.350
108	27	16	6.00		A1		162.00	255.960
109	4200	12	1.05		D2		4410.00	3916.080

Gesamtgewicht (kg) 47747.629

Projekt: 142-17 VRTEC KAMNITNIK

/ A-05,A-06,A-07

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA TEMELJNE PLOŠČE-ZGORNJA CONA

Plan Nr. : A-05,A-06,A-07

**S T A H L L I S T E Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	D8	D10	D12	D14	D16	D20	D22
1	177	20	12.00					2124.00		
2	24	20	2.50					60.00		
3	6	12	12.00			72.00				
4	6	12	3.50			21.00				
5	107	10	2.10	224.70						
6	15	10	2.70	40.50						
7	60	10	3.20	192.00						
8	21	20	4.80					100.80		
9	18	20	6.10					109.80		
10	6	20	6.00					36.00		
11	6	20	3.50					21.00		
12	24	16	4.30				103.20			
13	6	20	5.20					31.20		
14	18	20	6.30					113.40		
15	12	20	7.30					87.60		
16	6	20	3.60					21.60		
17	6	22	8.50						51.00	
18	0	12	5.85			0.00				
19	12	20	5.00					60.00		
20	221	10	1.90	419.90						
21	42	14	12.00			504.00				
22	14	14	8.15			114.10				
23	14	14	4.50			63.00				
24	12	20	4.30					51.60		
25	6	20	7.25					43.50		
26	6	20	2.50					15.00		
27	20	20	5.75					115.00		
28	12	16	8.15					97.80		
29	6	16	11.65					69.90		
30	10	20	3.00					30.00		
31	10	16	4.00					40.00		
32	28	20	6.60					184.80		
33	4	16	3.50					14.00		
34	38	16	12.00					456.00		
35	10	16	3.75					37.50		
36	8	16	8.00					64.00		
37	2	16	5.75					11.50		
38	9	16	6.50					58.50		
39	2	16	8.40					16.80		
40	20	16	4.50					90.00		
41	8	16	11.00					88.00		
42	4	16	10.00					40.00		
43	2	16	2.05					4.10		
44	2	16	6.00					12.00		
45	2	16	4.50					9.00		
46	6	16	6.30					37.80		
47	4	16	6.00					24.00		
48	28	20	0.40					11.20		
49	154	8	1.50	231.00						

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Gesamtlängen		231.00	93.00	1274.10	51.00			
kg / m	D8	0.395	D12	0.888	D16	1.580	D20	2.981
kg / d		91.245		82.584		2013.078		152.031

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Gesamtlängen		877.10	681.10	3216.50		
kg / m	D10	0.617	D14	1.210	D20	2.470
kg / d		541.171		824.131		7944.755

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Projekt: 142-17 VRTEC KAMNITNIK

/ A-05,A-06,A-07

**S T A H L L I S T E Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	D8	D10	D12	D14	D16	D20	D22
Gesamtgewicht (kg)			11648.995							

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Projekt: 142-17 VRTEC KAMNITNIK

/ A-05,A-06,A-07

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA TEMELJNE PLOŠČE-ZGORNJA CONA

Plan Nr. : A-05,A-06,A-07

**M A T T E N L I S T E Betonstahl: BST 500 MA**

Pos.	Stk.	Typ	Länge	Breite	Q636
1	28	Q636	3.00	2.15	180.60
2	193	Q636	6.00	2.15	2489.70
3	3	Q636	3.55	2.15	22.90
4	1	Q636	5.00	2.15	10.75
5	4	Q636	6.00	1.08	25.92
6	5	Q636	3.96	2.15	42.57
7	2	Q636	4.51	2.15	19.39
8	1	Q636	3.80	2.15	8.17
9	1	Q636	5.70	2.15	12.25
10	14	Q636	2.00	2.15	60.20
11	8	Q636	1.50	2.15	25.80
12	3	Q636	3.45	2.15	22.25
13	2	Q636	3.00	1.08	6.48
14	5	Q636	1.00	2.15	10.75

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Gesamtflächen 2937.74

kg / m2 9.98

kg / Mattentyp 29318.624  
-----Gesamtgewicht (kg) 29318.624  
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Projekt: 142-17 VRTEC KAMNITNIK

/ A-05,A-06,A-07

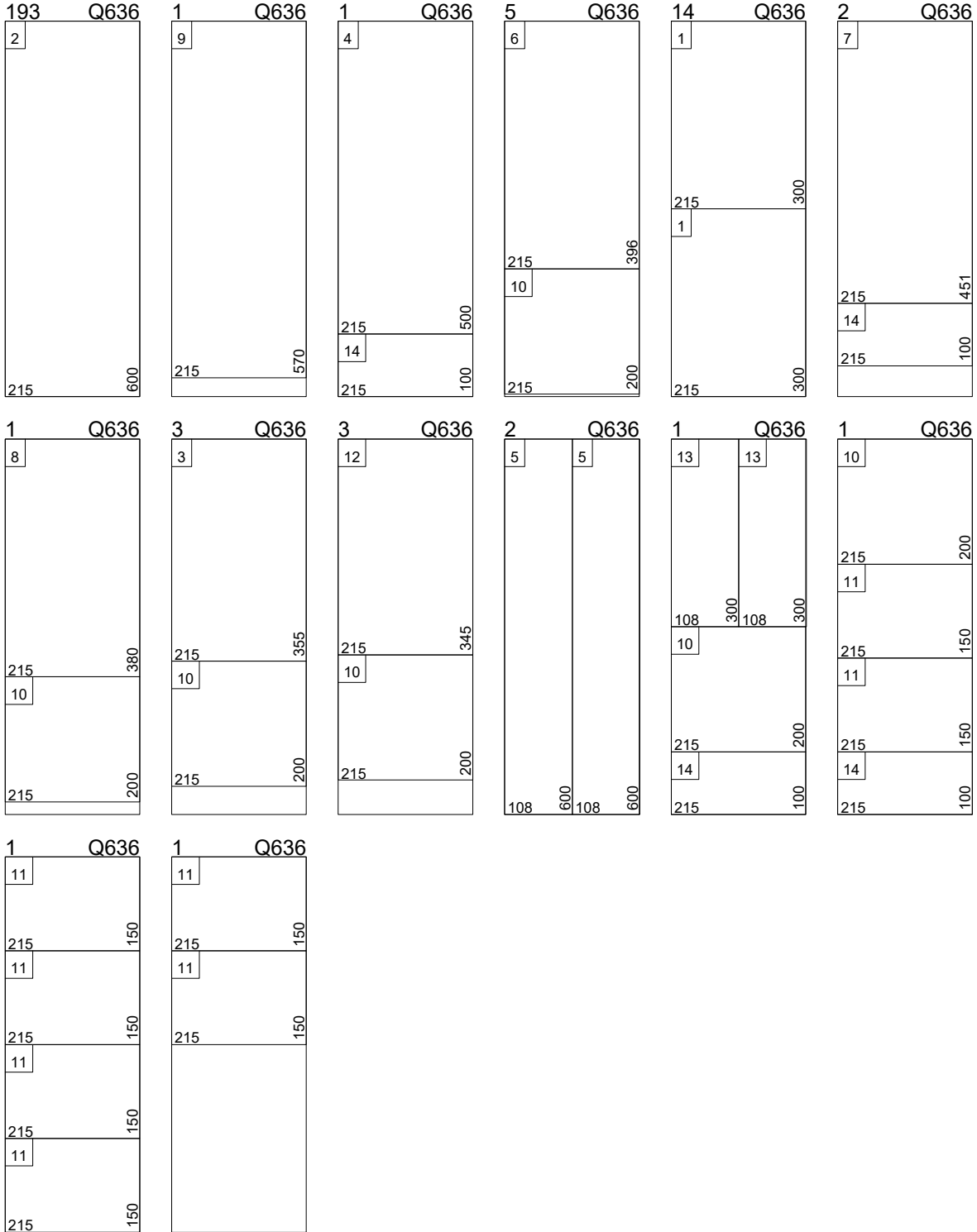
**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA TEMELJNE PLOŠČE-ZGORNJA CONA

Plan Nr. : A-05,A-06,A-07

**MATTENSCHNEIDESKIZZE Betonstahl: BST 500 MA**





Projekt: 142-17 VRTEC KAMNITNIK

/ A-05,A-06,A-07

MATTENSCHNEIDESKIZZE Betonstahl: BST 500 MA

Gesamtstahlmenge brutto

Stk.	Typ	Länge m	Breite m	Gewicht kg
229	Q636	6.00	2.15	29481.918
Gesamtgewicht brutto (kg)				29481.918

Projekt: 142-17 VRTEC KAMNITNIK

/ A-05,A-06,A-07

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA TEMELJNE PLOŠČE-ZGORNJA CONA

Plan Nr. : A-05,A-06,A-07

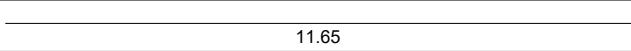
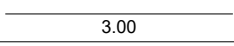
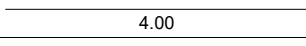
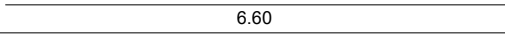
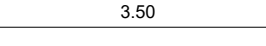
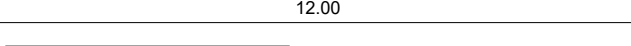
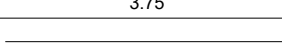
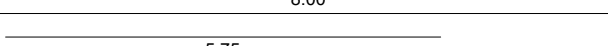
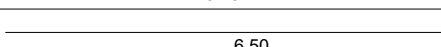
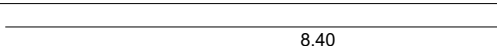
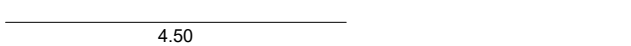

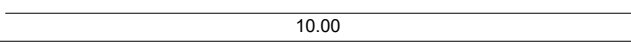


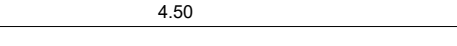

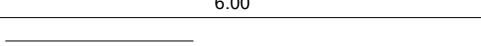

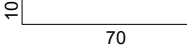

**BIEGELISTE Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
1	177	20	12.00		A1	_____	2124.00	5246.280
						12.00		
2	24	20	2.50		A1	_____	60.00	148.200
						2.50		
3	6	12	12.00		A1	_____	72.00	63.936
						12.00		
4	6	12	3.50		A1	_____	21.00	18.648
						3.50		
5	107	10	2.10		A1	_____	224.70	138.640
						2.10		
6	15	10	2.70		A1	_____	40.50	24.988
						2.70		
7	60	10	3.20		A1	_____	192.00	118.464
						3.20		
8	21	20	4.80		A1	_____	100.80	248.976
						4.80		
9	18	20	6.10		A1	_____	109.80	271.206
						6.10		
10	6	20	6.00		A1	_____	36.00	88.920
						6.00		
11	6	20	3.50		A1	_____	21.00	51.870
						3.50		
12	24	16	4.30		A2	65 _____	103.20	163.056
						3.65		
13	6	20	5.20		A1	_____	31.20	77.064
						5.20		
14	18	20	6.30		A1	_____	113.40	280.098
						6.30		
15	12	20	7.30		A1	_____	87.60	216.372
						7.30		
16	6	20	3.60		A1	_____	21.60	53.352
						3.60		
17	6	22	8.50		A1	_____	51.00	152.031
						8.50		
18	0	12	5.85		A1	_____	0.00	0.000
						5.85		
19	12	20	5.00		A1	_____	60.00	148.200
						5.00		
20	221	10	1.90		A1	_____	419.90	259.078
						1.90		
21	42	14	12.00		A1	_____	504.00	609.840
						12.00		
22	14	14	8.15		A1	_____	114.10	138.061
						8.15		
23	14	14	4.50		A1	_____	63.00	76.230
						4.50		
24	12	20	4.30		A1	_____	51.60	127.452
						4.30		
25	6	20	7.25		A1	_____	43.50	107.445
						7.25		
26	6	20	2.50		A1	_____	15.00	37.050
						2.50		
27	20	20	5.75		A1	_____	115.00	284.050
						5.75		
28	12	16	8.15		A1	_____	97.80	154.524
						8.15		

Projekt: 142-17 VRTEC KAMNITNIK

/ A-05,A-06,A-07

## BIEGELISTE Betonstahl: BST 500 S

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
29	6	16	11.65		A1		69.90	110.442
30	10	20	3.00		A1		30.00	74.100
31	10	16	4.00		A1		40.00	63.200
32	28	20	6.60		A1		184.80	456.456
33	4	16	3.50		A1		14.00	22.120
34	38	16	12.00		A1		456.00	720.480
35	10	16	3.75		A1		37.50	59.250
36	8	16	8.00		A1		64.00	101.120
37	2	16	5.75		A1		11.50	18.170
38	9	16	6.50		A1		58.50	92.430
39	2	16	8.40		A1		16.80	26.544
40	20	16	4.50		A1		90.00	142.200
41	8	16	11.00		A1		88.00	139.040
42	4	16	10.00		A1		40.00	63.200
43	2	16	2.05		A1		4.10	6.478
44	2	16	6.00		A1		12.00	18.960
45	2	16	4.50		A1		9.00	14.220
46	6	16	6.30		A1		37.80	59.724
47	4	16	6.00		A1		24.00	37.920
48	28	20	0.40		A1		11.20	27.664
49	154	8	1.50		A3		231.00	91.245

Gesamtgewicht (kg) 11648.995

Projekt: 142-17 VRTEC KAMNITNIK

/ A-08

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA STEN 1 DEL

Plan Nr. : A-08

**S T A H L L I S T E Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	D8	D10	D12	D14	D16	D20	D22
1	1041	8	1.74	1811.34						
2	8	12	2.00			16.00				
3	180	16	4.34				781.20			
4	78	20	4.04						315.12	
5	60	8	2.20	132.00						
6	857	10	0.76		651.32					
7	14	12	1.55			21.70				
8	4	8	1.02	4.08						
9	8	20	4.56						36.48	
10	7	16	4.00				28.00			
11	436	8	1.72	749.92						
12	58	10	8.00		464.00					
13	9	16	3.50				31.50			
14	13	8	2.16	28.08						
15	2	16	3.85					7.70		
16	104	8	1.14	118.56						
17	128	12	1.35			172.80				
18	12	12	1.50			18.00				
19	86	12	1.90			163.40				
20	4	14	4.13				16.52			
21	6	16	5.89					35.34		
22	4	16	5.40					21.60		
23	6	10	4.10		24.60					
24	8	8	0.96	7.68						
25	22	8	1.18	25.96						
26	31	10	0.98		30.38					
27	31	10	1.22		37.82					
28	18	16	4.10				73.80			
29	56	8	2.54	142.24						
30	30	12	4.10			123.00				
31	10	12	4.00			40.00				
32	12	12	5.40			64.80				
33	22	8	1.96	43.12						
34	26	10	3.50		91.00					
35	14	12	8.55			119.70				
36	9	20	8.55						76.95	
37	12	16	3.40				40.80			
38	18	20	4.00						72.00	
39	121	10	0.98		118.58					
40	114	10	1.74		198.36					
41	4	16	11.60					46.40		
42	4	14	2.60				10.40			
43	76	10	3.34		253.84					
44	78	10	1.64		127.92					
45	33	10	1.62		53.46					
46	12	20	4.35						52.20	
47	4	20	3.85						15.40	
48	7	12	2.51			17.57				
49	8	14	2.50				20.00			
50	57	20	0.14						7.98	
51	38	10	2.80		106.40					
52	5	20	9.80						49.00	
53	12	16	6.40					76.80		
54	10	12	9.75			97.50				
55	60	8	0.26	15.60						
56	6	10	0.82		4.92					
57	64	8	1.50	96.00						
58	38	16	0.14					5.32		

Projekt: 142-17 VRTEC KAMNITNIK

/ A-08

**S T A H L L I S T E Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	D8	D10	D12	D14	D16	D20	D22
59	8	20	5.89						47.12	
60	36	10	2.12		76.32					
61	2	16	3.00					6.00		
62	330	10	1.02		336.60					
63	660	8	0.37	244.20						
64	60	12	1.45			87.00				
65	30	12	1.60			48.00				
66	4	16	5.15					20.60		
67	6	22	4.30							25.80
Gesamtlängen				3418.78		989.47		1175.06		25.80
kg / m				D8 0.395		D12 0.888		D16 1.580		D22 2.981
kg / d				1350.418		878.649		1856.595		76.910

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Gesamtlängen				2575.52		46.92		672.25		
kg / m				D10 0.617		D14 1.210		D20 2.470		
kg / d				1589.096		56.773		1660.458		

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Gesamtgewicht (kg) 7468.899

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Projekt: 142-17 VRTEC KAMNITNIK

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**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA STEN 1 DEL

Plan Nr. : A-08

<b>M A T T E N L I S T E Betonstahl: BST 500 MA</b>						
<b>Pos.</b>	<b>Stk.</b>	<b>Typ</b>	<b>Länge</b>	<b>Breite</b>	<b>Q335_</b>	<b>Q524</b>
1	2	Q335_	4.00	1.08	8.64	
2	4	Q335_	3.80	1.08	16.42	
3	2	Q335_	4.50	1.08	9.72	
4	8	Q335_	3.00	2.15	51.60	
5	4	Q335_	2.70	2.15	23.22	
6	8	Q335_	3.80	2.15	65.36	
7	10	Q335_	2.20	2.15	47.30	
8	10	Q335_	1.90	2.15	40.85	
9	10	Q335_	4.10	2.15	88.15	
10	4	Q335_	1.50	2.15	12.90	
11	2	Q335_	4.50	2.15	19.35	
12	2	Q335_	3.50	2.15	15.05	
13	2	Q524	2.50	2.15		10.75
14	2	Q335_	2.00	2.15	8.60	
15	2	Q524	3.55	2.15		15.26
16	2	Q524	3.55	1.08		7.67
17	2	Q524	3.40	2.15		14.62
18	2	Q524	3.40	1.08		7.34
19	2	Q524	4.10	2.15		17.63
20	2	Q524	2.00	2.15		8.60
-----						
Gesamtflächen					407.16	81.88
kg / m2					5.33	8.32
kg / Mattentyp					2170.141	681.217
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Gesamtgewicht (kg)					2851.358	
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Projekt: 142-17 VRTEC KAMNITNIK

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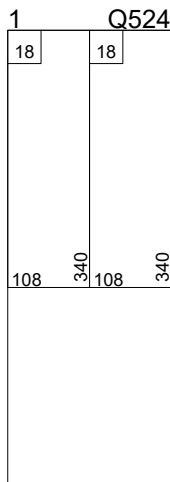
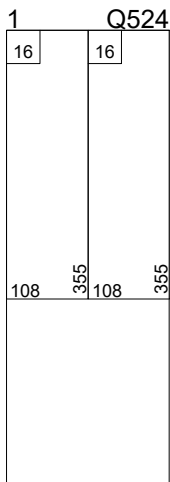
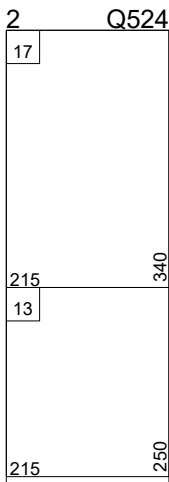
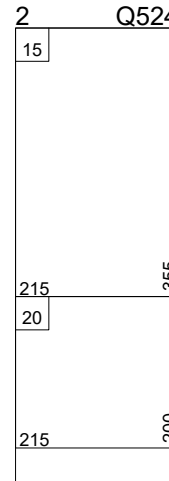
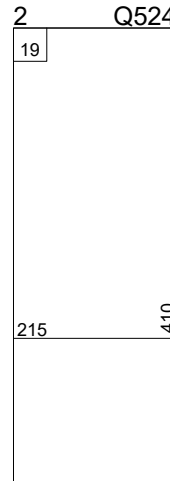
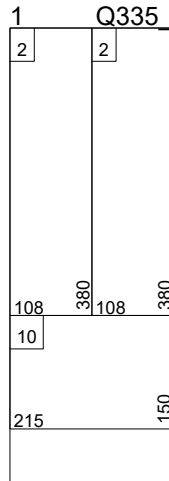
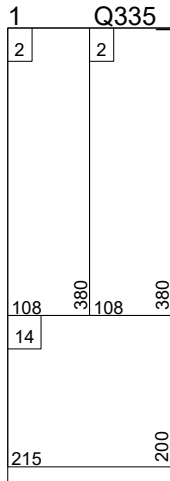
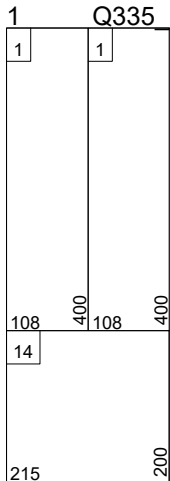
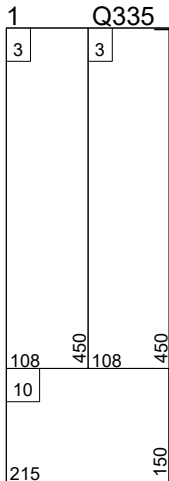
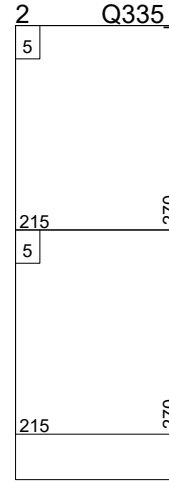
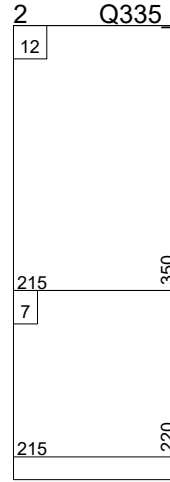
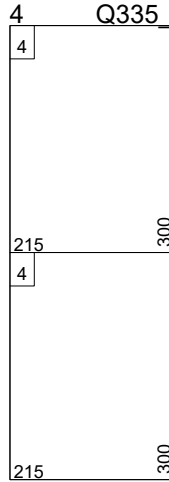
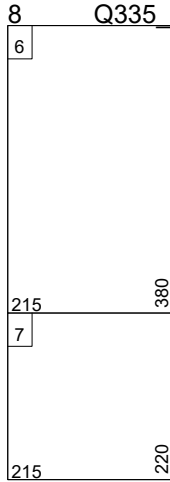
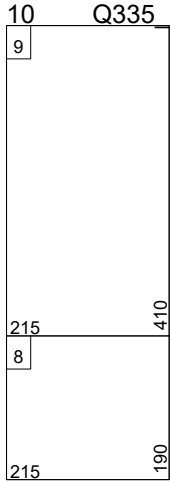
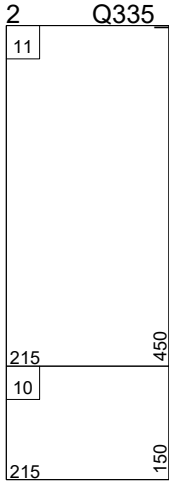
**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA STEN 1 DEL

Plan Nr. : A-08

**MATTENSCHNEIDESKIZZE Betonstahl: BST 500 MA**



Projekt: 142-17 VRTEC KAMNITNIK

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## MATTENSCHNEIDESKIZZE Betonstahl: BST 500 MA

## Gesamtstahlmenge brutto

Stk.	Typ	Länge m	Breite m	Gewicht kg
32	Q335_	6.00	2.15	2200.224
8	Q524	6.00	2.15	858.624
Gesamtgewicht brutto (kg)				3058.848



Projekt: 142-17 VRTEC KAMNITNIK

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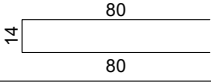
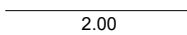
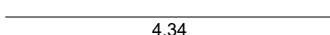
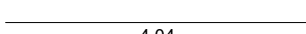
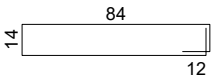
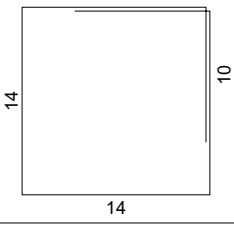
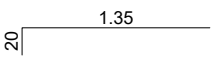
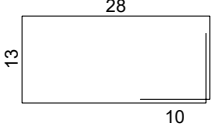
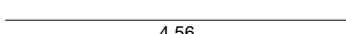
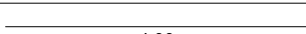
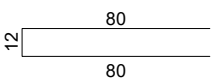
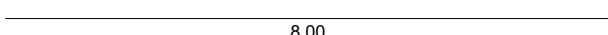
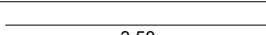
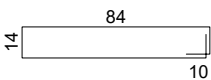
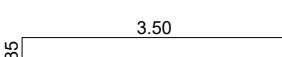
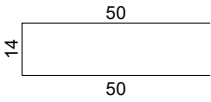
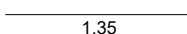
**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

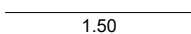
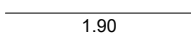
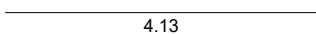
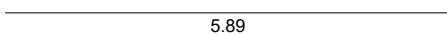
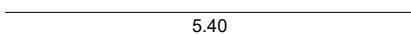
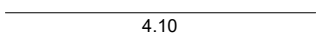
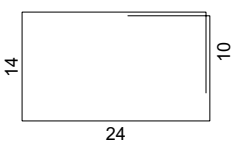
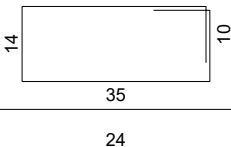
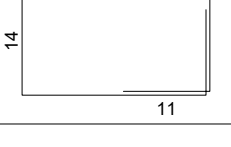
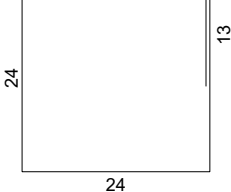
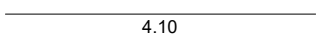
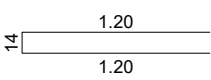
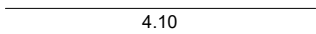
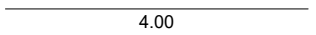
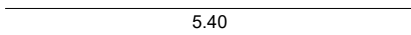
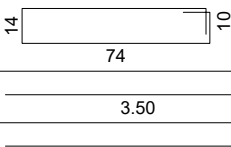

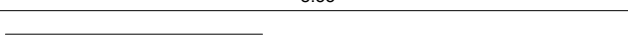
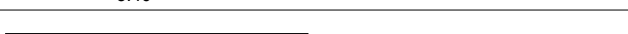
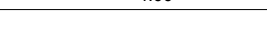

Bauteil : ARMATURA STEN 1 DEL

Plan Nr. : A-08

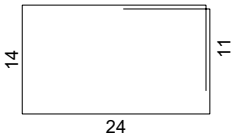
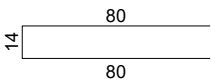
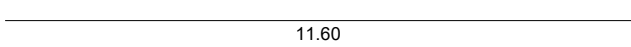
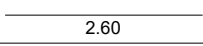
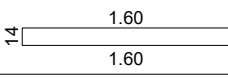
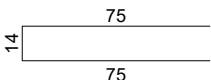
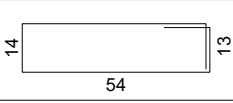
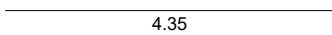
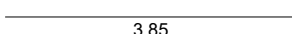
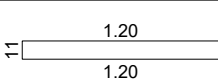
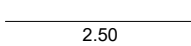
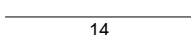
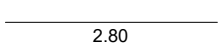
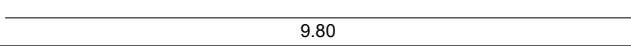
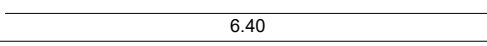
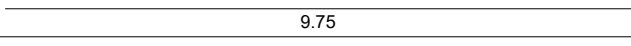

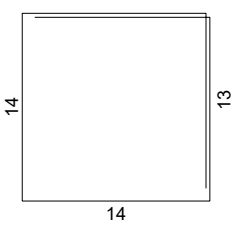
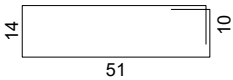
**BIEGELISTE Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
1	1041	8	1.74		A3		1811.34	715.479
2	8	12	2.00		A1		16.00	14.208
3	180	16	4.34		A1		781.20	1234.296
4	78	20	4.04		A1		315.12	778.346
5	60	8	2.20		B2	 Winkel 0 Grad	132.00	52.140
6	857	10	0.76		B2	 Winkel 0 Grad	651.32	401.864
7	14	12	1.55		A2		21.70	19.270
8	4	8	1.02		B2	 Winkel 0 Grad	4.08	1.612
9	8	20	4.56		A1		36.48	90.106
10	7	16	4.00		A1		28.00	44.240
11	436	8	1.72		A3		749.92	296.218
12	58	10	8.00		A1		464.00	286.288
13	9	16	3.50		A1		31.50	49.770
14	13	8	2.16		B2	 Winkel 0 Grad	28.08	11.092
15	2	16	3.85		A2		7.70	12.166
16	104	8	1.14		A3		118.56	46.831
17	128	12	1.35		A1		172.80	153.446

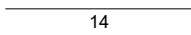
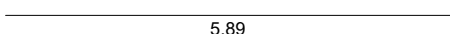
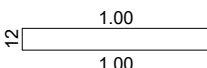
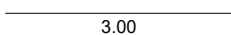
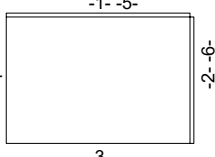
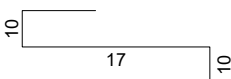
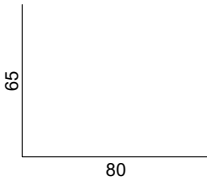
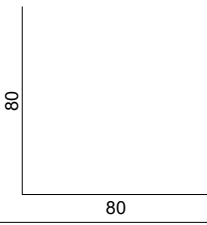
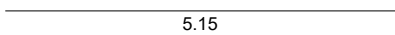
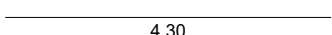
BIEGELISTE Betonstahl: BST 500 S

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
18	12	12	1.50		A1		18.00	15.984
19	86	12	1.90		A1		163.40	145.099
20	4	14	4.13		A1		16.52	19.989
21	6	16	5.89		A1		35.34	55.837
22	4	16	5.40		A1		21.60	34.128
23	6	10	4.10		A1		24.60	15.178
24	8	8	0.96		B2		7.68	3.034
25	22	8	1.18		B2		25.96	10.254
26	31	10	0.98		B2		30.38	18.744
27	31	10	1.22		B2		37.82	23.335
28	18	16	4.10		A1		73.80	116.604
29	56	8	2.54		A3		142.24	56.185
30	30	12	4.10		A1		123.00	109.224
31	10	12	4.00		A1		40.00	35.520
32	12	12	5.40		A1		64.80	57.542
33	22	8	1.96		B2		43.12	17.032
34	26	10	3.50		A1		91.00	56.147
35	14	12	8.55		A1		119.70	106.294
36	9	20	8.55		A1		76.95	190.067
37	12	16	3.40		A1		40.80	64.464
38	18	20	4.00		A1		72.00	177.840

BIEGELISTE Betonstahl: BST 500 S

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
39	121	10	0.98		B2	 Winkel 0 Grad	118.58	73.164
40	114	10	1.74		A3		198.36	122.388
41	4	16	11.60		A1		46.40	73.312
42	4	14	2.60		A1		10.40	12.584
43	76	10	3.34		A3		253.84	156.619
44	78	10	1.64		A3		127.92	78.927
45	33	10	1.62		B2	 Winkel 0 Grad	53.46	32.985
46	12	20	4.35		A1		52.20	128.934
47	4	20	3.85		A1		15.40	38.038
48	7	12	2.51		A3		17.57	15.602
49	8	14	2.50		A1		20.00	24.200
50	57	20	0.14		A1		7.98	19.711
51	38	10	2.80		A1		106.40	65.649
52	5	20	9.80		A1		49.00	121.030
53	12	16	6.40		A1		76.80	121.344
54	10	12	9.75		A1		97.50	86.580
55	60	8	0.26		A3		15.60	6.162
56	6	10	0.82		B2	 Winkel 0 Grad	4.92	3.036
57	64	8	1.50		B2	 Winkel 0 Grad	96.00	37.920

BIEGELISTE Betonstahl: BST 500 S

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg																																			
58	38	16	0.14		A1		5.32	8.406																																			
59	8	20	5.89		A1		47.12	116.386																																			
60	36	10	2.12		A3		76.32	47.089																																			
61	2	16	3.00		A1		6.00	9.480																																			
62	330	10	1.02		X1	 <table border="1"> <tr> <th>Nr.</th> <th>dx</th> <th>dy</th> <th>l</th> <th>v°</th> </tr> <tr> <td>1</td> <td>0.20</td> <td>-0.00</td> <td>0.20</td> <td>-90</td> </tr> <tr> <td>2</td> <td>0.00</td> <td>-0.14</td> <td>0.14</td> <td>-90</td> </tr> <tr> <td>3</td> <td>-0.20</td> <td>0.00</td> <td>0.20</td> <td>-90</td> </tr> <tr> <td>4</td> <td>0.00</td> <td>0.14</td> <td>0.14</td> <td>-90</td> </tr> <tr> <td>5</td> <td>0.20</td> <td>-0.00</td> <td>0.20</td> <td>-90</td> </tr> <tr> <td>6</td> <td>0.00</td> <td>-0.14</td> <td>0.14</td> <td>-90</td> </tr> </table>	Nr.	dx	dy	l	v°	1	0.20	-0.00	0.20	-90	2	0.00	-0.14	0.14	-90	3	-0.20	0.00	0.20	-90	4	0.00	0.14	0.14	-90	5	0.20	-0.00	0.20	-90	6	0.00	-0.14	0.14	-90	336.60	207.682
Nr.	dx	dy	l	v°																																							
1	0.20	-0.00	0.20	-90																																							
2	0.00	-0.14	0.14	-90																																							
3	-0.20	0.00	0.20	-90																																							
4	0.00	0.14	0.14	-90																																							
5	0.20	-0.00	0.20	-90																																							
6	0.00	-0.14	0.14	-90																																							
63	660	8	0.37		A1		244.20	96.459																																			
64	60	12	1.45		A2		87.00	77.256																																			
65	30	12	1.60		A2		48.00	42.624																																			
66	4	16	5.15		A1		20.60	32.548																																			
67	6	22	4.30		A1		25.80	76.910																																			

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Gesamtgewicht (kg) 7468.899

Projekt: 142-17 VRTEC KAMNITNIK

/ A-09

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA STEN 2 DEL

Plan Nr. : A-09

**S T A H L L I S T E Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	D8	D10	D12	D14	D16	D18	D20
1	809	8	1.74	1407.66						
2	13	16	2.00					26.00		
3	114	16	4.35					495.90		
4	34	12	1.60			54.40				
5	774	8	1.72	1331.28						
6	29	10	2.32		67.28					
7	26	8	1.68	43.68						
8	94	8	1.24	116.56						
9	9	8	1.52	13.68						
10	48	12	1.50			72.00				
11	46	10	5.05		232.30					
12	18	10	2.02		36.36					
13	17	16	3.60					61.20		
14	26	16	4.05					105.30		
15	9	8	1.10	9.90						
16	6	8	1.20	7.20						
17	12	14	2.70				32.40			
18	320	10	2.40		768.00					
19	96	10	6.65		638.40					
20	84	12	2.14			179.76				
21	70	20	5.05						353.50	
22	24	20	7.23						173.52	
23	8	20	5.55						44.40	
24	20	16	5.80					116.00		
25	12	20	4.04						48.48	
26	2	12	2.30			4.60				
27	5	8	1.16	5.80						
28	20	12	2.00			40.00				
29	8	14	2.00				16.00			
30	12	8	1.32	15.84						
31	6	10	1.34		8.04					
32	6	12	2.00			12.00				
33	18	16	5.05					90.90		
34	26	10	0.82		21.32					
35	87	12	1.35			117.45				
36	100	10	3.64		364.00					
37	6	10	3.30		19.80					
38	153	8	2.54	388.62						
39	4	20	2.18						8.72	
40	68	10	1.44		97.92					
41	24	16	4.40					105.60		
42	4	20	4.35						17.40	
43	6	12	6.50			39.00				
44	28	12	2.51			70.28				
45	60	14	2.50				150.00			
46	24	10	4.40		105.60					
47	358	10	1.74		622.92					
48	26	10	1.94		50.44					
49	4	16	4.45					17.80		
50	4	10	4.45		17.80					
51	4	12	2.25			9.00				
52	4	10	1.90		7.60					
53	186	16	0.14					26.04		
54	90	20	0.14						12.60	
55	9	18	3.15						28.35	
56	6	10	3.15		18.90					
57	520	10	1.02		530.40					
58	1040	8	0.37	384.80						

Projekt: 142-17 VRTEC KAMNITNIK

/ A-09

**S T A H L L I S T E Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	D8	D10	D12	D14	D16	D18	D20
Gesamtlängen				3725.02		598.49		1044.74		658.62
kg / m				D8 0.395		D12 0.888		D16 1.580		D20 2.470
kg / d				1471.383		531.459		1650.689		1626.791
-----										
Gesamtlängen				3607.08		198.40		28.35		
kg / m				D10 0.617		D14 1.210		D18 2.020		
kg / d				2225.568		240.064		57.267		
-----										
Gesamtgewicht (kg)				7803.221						
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Projekt: 142-17 VRTEC KAMNITNIK

/ A-09

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA STEN 2 DEL

Plan Nr. : A-09

**M A T T E N L I S T E Betonstahl: BST 500 MA**

Pos.	Stk.	Typ	Länge	Breite	Q335_
1	4	Q335_	1.90	1.08	8.21
2	4	Q335_	3.80	1.08	16.42
3	2	Q335_	3.25	2.15	13.98
4	28	Q335_	3.00	2.15	180.60
5	2	Q335_	3.25	1.08	7.02
6	8	Q335_	3.80	2.15	65.36
7	10	Q335_	2.20	2.15	47.30
8	20	Q335_	1.90	2.15	81.70
9	24	Q335_	4.10	2.15	211.56
10	2	Q335_	1.50	2.15	6.45
11	2	Q335_	2.10	2.15	9.03
12	4	Q335_	1.60	2.15	13.76
13	8	Q335_	2.00	2.15	34.40
14	4	Q335_	2.70	1.08	11.66
15	4	Q335_	1.30	2.15	11.18
16	2	Q335_	3.10	2.15	13.33
19	6	Q335_	4.10	1.07	26.32

-----  
Gesamtflächen 758.27

kg / m2 5.33

kg / Mattentyp 4041.606  
-----Gesamtgewicht (kg) 4041.606  
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Projekt: 142-17 VRTEC KAMNITNIK

/ A-09

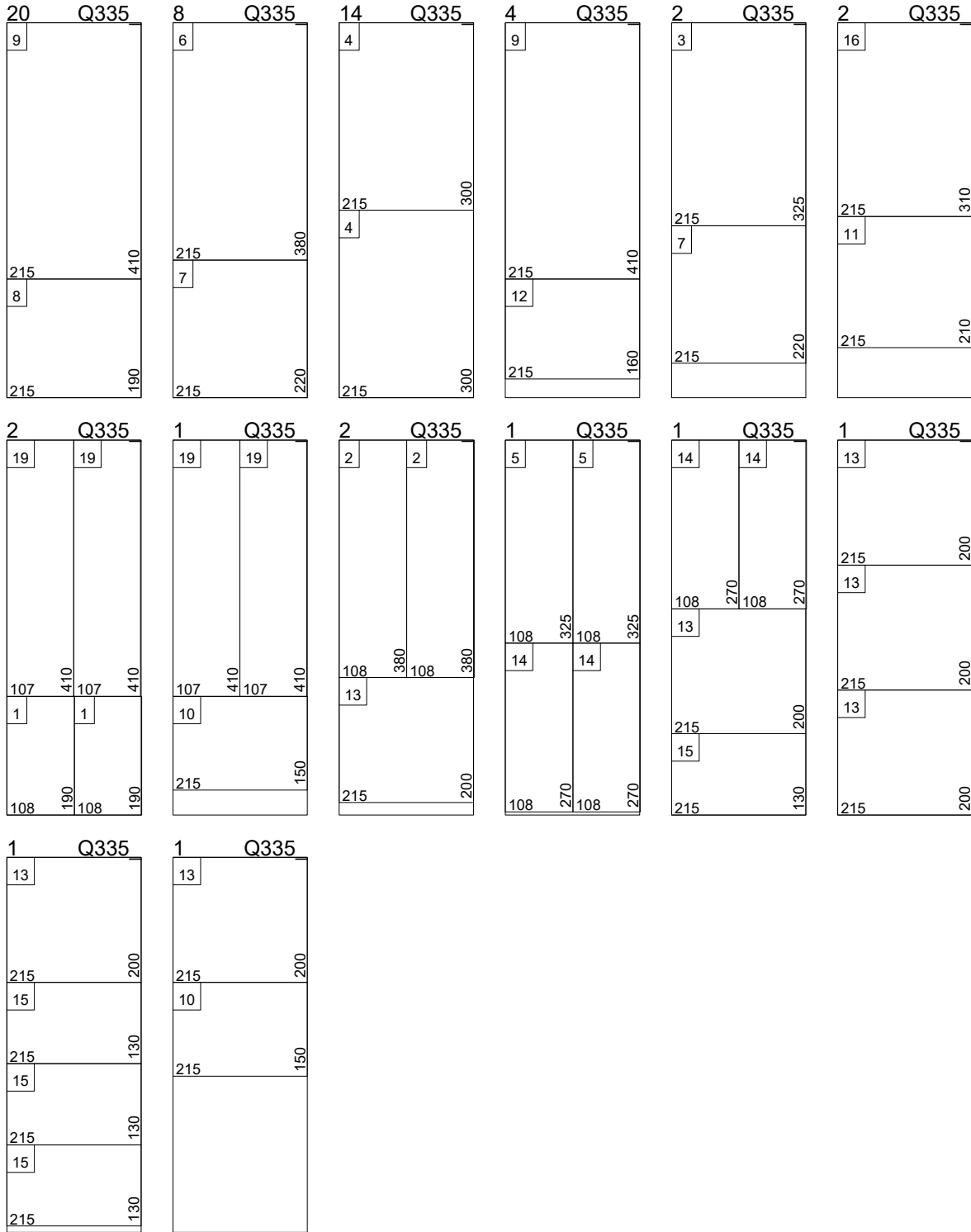
**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA STEN 2 DEL

Plan Nr. : A-09

**MATTENSCHNEIDESKIZZE Betonstahl: BST 500 MA**



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Projekt: 142-17 VRTEC KAMNITNIK

/ A-09

MATTENSCHNEIDESKIZZE Betonstahl: BST 500 MA

Gesamtstahlmenge brutto

Stk.	Typ	Länge m	Breite m	Gewicht kg
60	Q335_	6.00	2.15	4125.420
Gesamtgewicht brutto (kg)				4125.420

Projekt: 142-17 VRTEC KAMNITNIK

/ A-09

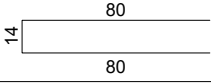
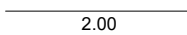
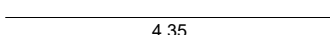
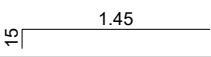
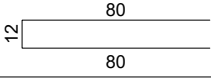
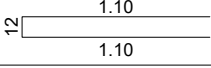
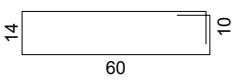
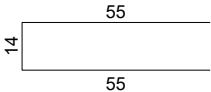
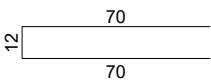
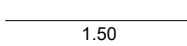
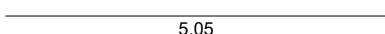
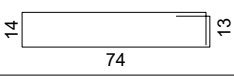
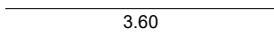
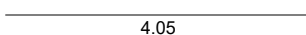
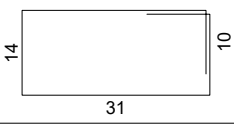

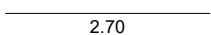
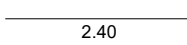
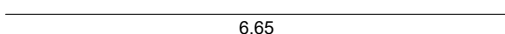
**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

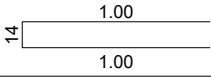
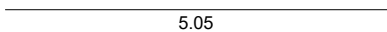
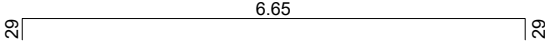
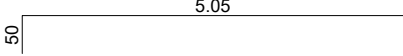
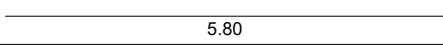
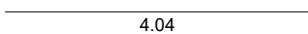
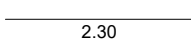
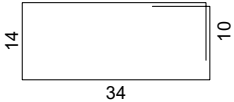
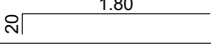
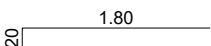
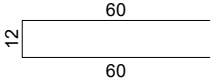
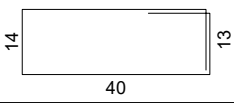
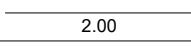
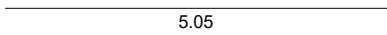
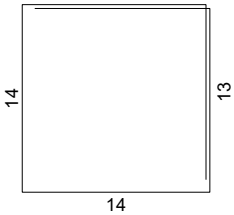
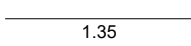
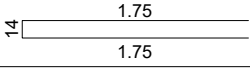
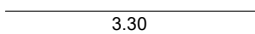
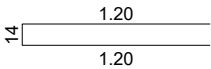
Bauteil : ARMATURA STEN 2 DEL

Plan Nr. : A-09

**BIEGELISTE Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
1	809	8	1.74		A3		1407.66	556.026
2	13	16	2.00		A1		26.00	41.080
3	114	16	4.35		A1		495.90	783.522
4	34	12	1.60		A2		54.40	48.307
5	774	8	1.72		A3		1331.28	525.856
6	29	10	2.32		A3		67.28	41.512
7	26	8	1.68		B2		43.68	17.254
8	94	8	1.24		A3		116.56	46.041
9	9	8	1.52		A3		13.68	5.404
10	48	12	1.50		A1		72.00	63.936
11	46	10	5.05		A1		232.30	143.329
12	18	10	2.02		B2		36.36	22.434
13	17	16	3.60		A1		61.20	96.696
14	26	16	4.05		A1		105.30	166.374
15	9	8	1.10		B2		9.90	3.911
16	6	8	1.20		B2		7.20	2.844
17	12	14	2.70		A1		32.40	39.204
18	320	10	2.40		A1		768.00	473.856
19	96	10	6.65		A1		638.40	393.893

BIEGELISTE Betonstahl: BST 500 S

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
20	84	12	2.14		A3		179.76	159.627
21	70	20	5.05		A1		353.50	873.145
22	24	20	7.23		A1		173.52	428.594
23	8	20	5.55		A2		44.40	109.668
24	20	16	5.80		A1		116.00	183.280
25	12	20	4.04		A1		48.48	119.746
26	2	12	2.30		A1		4.60	4.085
27	5	8	1.16		B2		5.80	2.291
28	20	12	2.00		A2		40.00	35.520
29	8	14	2.00		A2		16.00	19.360
30	12	8	1.32		A3		15.84	6.257
31	6	10	1.34		B2		8.04	4.961
32	6	12	2.00		A1		12.00	10.656
33	18	16	5.05		A1		90.90	143.622
34	26	10	0.82		B2		21.32	13.154
35	87	12	1.35		A1		117.45	104.296
36	100	10	3.64		A3		364.00	224.588
37	6	10	3.30		A1		19.80	12.217
38	153	8	2.54		A3		388.62	153.505

**BIEGELISTE Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
39	4	20	2.18		A3		8.72	21.538
40	68	10	1.44		A3		97.92	60.417
41	24	16	4.40		A1		105.60	166.848
42	4	20	4.35		A1		17.40	42.978
43	6	12	6.50		A1		39.00	34.632
44	28	12	2.51		A3		70.28	62.409
45	60	14	2.50		A1		150.00	181.500
46	24	10	4.40		A1		105.60	65.155
47	358	10	1.74		A3		622.92	384.342
48	26	10	1.94		A2		50.44	31.121
49	4	16	4.45		A1		17.80	28.124
50	4	10	4.45		A1		17.80	10.983
51	4	12	2.25		A1		9.00	7.992
52	4	10	1.90		A1		7.60	4.689
53	186	16	0.14		A1		26.04	41.143
54	90	20	0.14		A1		12.60	31.122
55	9	18	3.15		A1		28.35	57.267
56	6	10	3.15		A1		18.90	11.661
57	520	10	1.02		X1	<p>Nr. dx dy l v°                      1 0.20 -0.00 0.20 -90                      2 0.00 -0.14 0.14 -90                      3 -0.20 0.00 0.20 -90                      4 0.00 0.14 0.14 -90                      5 0.20 -0.00 0.20 -90                      6 0.00 -0.14 0.14 -90</p>	530.40	327.257
58	1040	8	0.37		A1		384.80	151.996

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Gesamtgewicht (kg) 7803.222

Projekt: 142-17 VRTEC KAMNITNIK

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**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA STEN DEL3/6

Plan Nr. : A-10

**S T A H L L I S T E Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	D8	D10	D12	D14	D16	D20
1	773	8	1.74	1345.02					
2	6	14	1.80				10.80		
3	38	16	4.35					165.30	
4	41	8	0.96	39.36					
5	17	10	1.06		18.02				
6	4	14	5.50				22.00		
7	20	12	1.50			30.00			
8	4	12	1.99			7.96			
9	12	14	2.30				27.60		
10	6	10	2.30		13.80				
11	5	10	3.85		19.25				
12	8	16	3.60					28.80	
13	27	10	2.50		67.50				
14	4	14	2.20				8.80		
15	4	14	2.60				10.40		
16	38	14	2.90				110.20		
17	48	16	3.85					184.80	
18	2	14	4.14				8.28		
19	4	12	1.60			6.40			
20	24	16	4.05					97.20	
21	6	8	1.56	9.36					
22	144	12	3.14			452.16			
23	8	14	4.00				32.00		
24	16	20	6.00						96.00
25	533	8	1.72	916.76					
26	12	12	1.50			18.00			
27	57	12	1.35			76.95			
28	54	8	1.14	61.56					
29	34	14	3.20				108.80		
30	172	10	2.30		395.60				
31	10	10	2.50		25.00				
32	20	20	4.05						81.00
33	10	10	2.90		29.00				
34	34	10	1.62		55.08				
35	42	10	1.74		73.08				
36	41	10	1.71		70.11				
37	16	20	4.60						73.60
38	17	10	0.86		14.62				
39	6	14	2.00				12.00		
40	8	14	6.40				51.20		
62	620	10	1.02		632.40				
63	1240	8	0.37	458.80					
Gesamtlängen				2830.86		591.47		476.10	
kg / m				D8 0.395		D12 0.888		D16 1.580	
kg / d				1118.190		525.225		752.238	
-----									
Gesamtlängen				1413.46		402.08		250.60	
kg / m				D10 0.617		D14 1.210		D20 2.470	
kg / d				872.105		486.517		618.982	
-----									
Gesamtgewicht (kg)				4373.257					
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Projekt: 142-17 VRTEC KAMNITNIK

/ A-10

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA STEN DEL3/6

Plan Nr. : A-10

<b>M A T T E N L I S T E Betonstahl: BST 500 MA</b>						
<b>Pos.</b>	<b>Stk.</b>	<b>Typ</b>	<b>Länge</b>	<b>Breite</b>	<b>Q335</b>	<b>Q524</b>
1	20	Q335_	3.80	2.15	163.40	
2	26	Q335_	2.20	2.15	122.98	
3	6	Q335_	3.80	1.08	24.62	
4	2	Q335_	1.25	2.15	5.38	
5	8	Q335_	4.10	1.08	35.42	
6	14	Q335_	1.60	2.15	48.16	
7	12	Q335_	3.00	2.15	77.40	
8	12	Q335_	1.90	2.15	49.02	
9	22	Q335_	4.10	2.15	193.93	
10	2	Q335_	2.50	2.15	10.75	
11	2	Q524	2.00	2.15		8.60
12	2	Q524	1.80	2.15		7.74
13	2	Q335_	4.10	1.78	14.60	
14	2	Q335_	3.80	1.67	12.69	
15	2	Q335_	2.55	2.15	10.96	
16	22	Q335_	2.00	2.15	94.60	
17	2	Q524	2.20	2.15		9.46
-----						
Gesamtflächen					863.92	25.80
kg / m2					5.33	8.32
kg / Mattentyp					4604.672	214.656
-----						
Gesamtgewicht (kg)					4819.328	
-----						

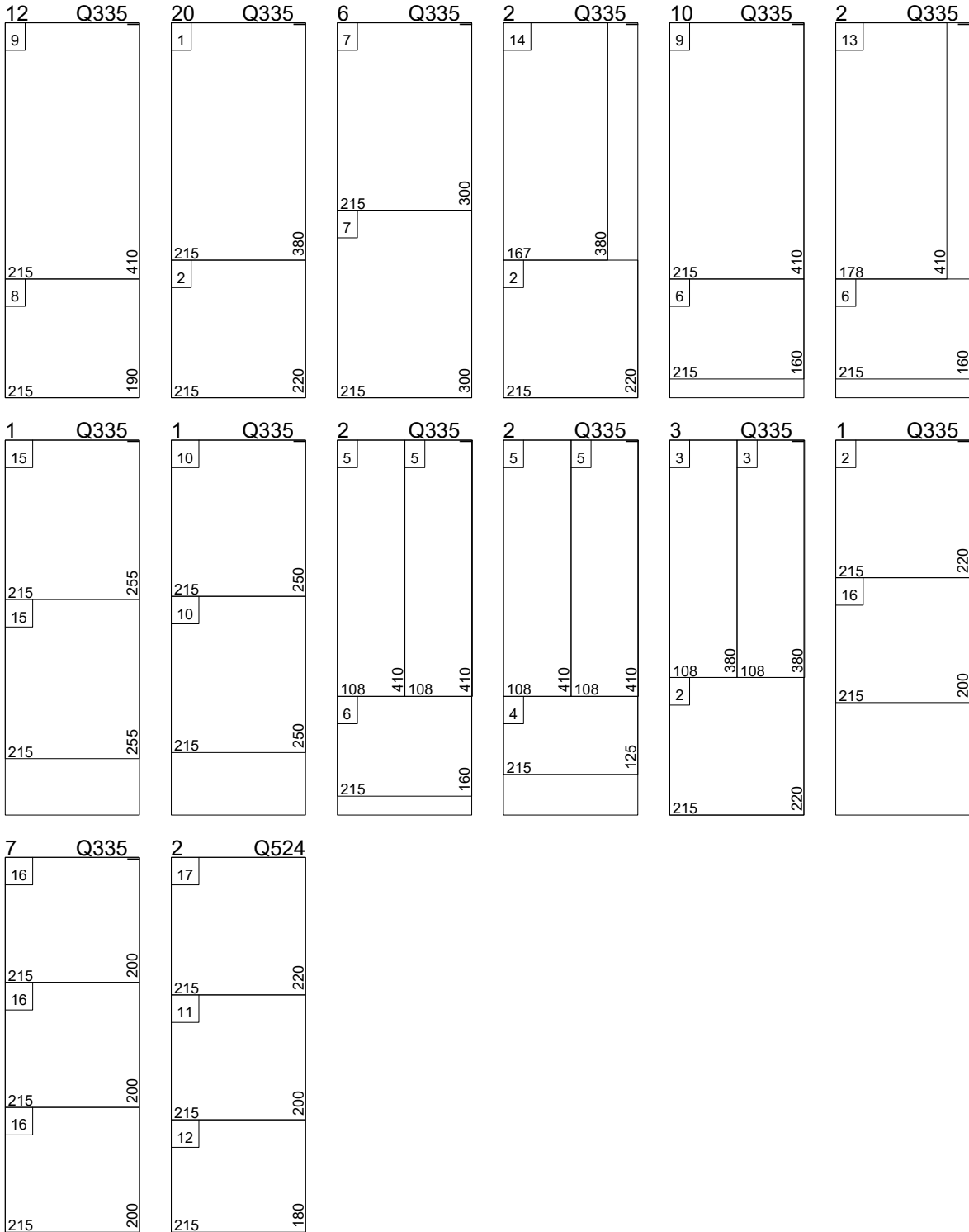
Projekt: 142-17 VRTEC KAMNITNIK

/ A-10

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK  
Bauteil : ARMATURA STEN DEL3/6  
Plan Nr. : A-10

**MATTENSCHNEIDESKIZZE Betonstahl: BST 500 MA**



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Projekt: 142-17 VRTEC KAMNITNIK

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MATTENSCHNEIDESKIZZE Betonstahl: BST 500 MA

Gesamtstahlmenge brutto

Stk.	Typ	Länge m	Breite m	Gewicht kg
69	Q335_	6.00	2.15	4744.233
2	Q524	6.00	2.15	214.656
Gesamtgewicht brutto (kg)				4958.889



Projekt: 142-17 VRTEC KAMNITNIK

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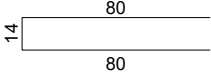
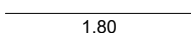
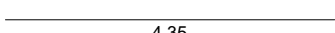
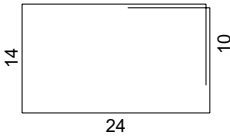
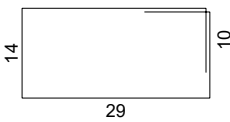
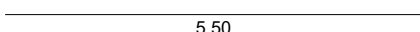
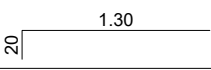
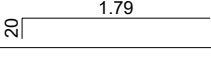
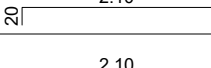
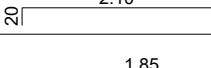
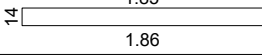
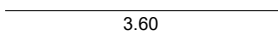
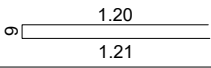
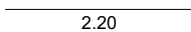
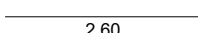
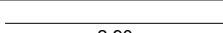
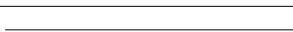
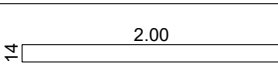
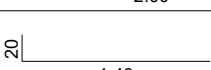
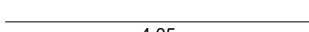
**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

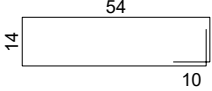
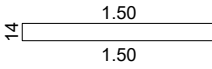
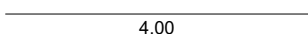
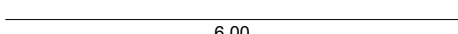
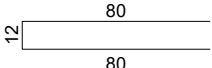
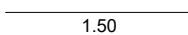
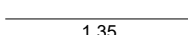
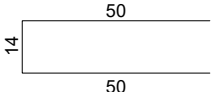
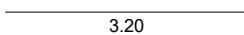
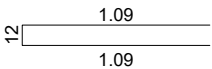
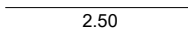
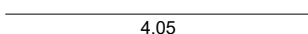
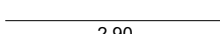
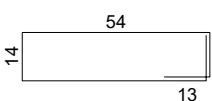
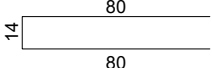
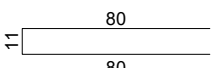
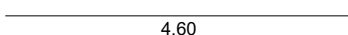
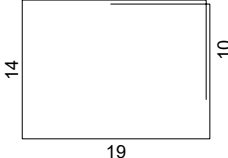
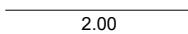
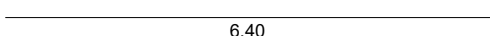
Bauteil : ARMATURA STEN DEL3/6

Plan Nr. : A-10

**BIEGELISTE Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
1	773	8	1.74		A3		1345.02	531.283
2	6	14	1.80		A1		10.80	13.068
3	38	16	4.35		A1		165.30	261.174
4	41	8	0.96		B2	 Winkel 0 Grad	39.36	15.547
5	17	10	1.06		B2	 Winkel 0 Grad	18.02	11.118
6	4	14	5.50		A1		22.00	26.620
7	20	12	1.50		A2		30.00	26.640
8	4	12	1.99		A2		7.96	7.068
9	12	14	2.30		A2		27.60	33.396
10	6	10	2.30		A2		13.80	8.515
11	5	10	3.85		A3		19.25	11.877
12	8	16	3.60		A1		28.80	45.504
13	27	10	2.50		A3		67.50	41.647
14	4	14	2.20		A1		8.80	10.648
15	4	14	2.60		A1		10.40	12.584
16	38	14	2.90		A1		110.20	133.342
17	48	16	3.85		A1		184.80	291.984
18	2	14	4.14		A3		8.28	10.019
19	4	12	1.60		A2		6.40	5.683
20	24	16	4.05		A1		97.20	153.576

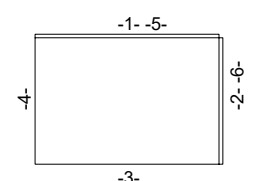
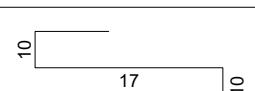
BIEGELISTE Betonstahl: BST 500 S

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
21	6	8	1.56		B2	 Winkel 0 Grad	9.36	3.697
22	144	12	3.14		A3		452.16	401.518
23	8	14	4.00		A1		32.00	38.720
24	16	20	6.00		A1		96.00	237.120
25	533	8	1.72		A3		916.76	362.120
26	12	12	1.50		A1		18.00	15.984
27	57	12	1.35		A1		76.95	68.332
28	54	8	1.14		A3		61.56	24.316
29	34	14	3.20		A1		108.80	131.648
30	172	10	2.30		A3		395.60	244.085
31	10	10	2.50		A1		25.00	15.425
32	20	20	4.05		A1		81.00	200.070
33	10	10	2.90		A1		29.00	17.893
34	34	10	1.62		B2	 Winkel 0 Grad	55.08	33.984
35	42	10	1.74		A3		73.08	45.090
36	41	10	1.71		A3		70.11	43.258
37	16	20	4.60		A1		73.60	181.792
38	17	10	0.86		B2	 Winkel 0 Grad	14.62	9.021
39	6	14	2.00		A1		12.00	14.520
40	8	14	6.40		A1		51.20	61.952

Projekt: 142-17 VRTEC KAMNITNIK

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**BIEGELISTE Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg																																			
62	620	10	1.02		X1	 <table border="1"> <thead> <tr> <th>Nr.</th> <th>dx</th> <th>dy</th> <th>l</th> <th>v°</th> </tr> </thead> <tbody> <tr><td>1</td><td>0.20</td><td>-0.00</td><td>0.20</td><td>-90</td></tr> <tr><td>2</td><td>0.00</td><td>-0.14</td><td>0.14</td><td>-90</td></tr> <tr><td>3</td><td>-0.20</td><td>0.00</td><td>0.20</td><td>-90</td></tr> <tr><td>4</td><td>0.00</td><td>0.14</td><td>0.14</td><td>-90</td></tr> <tr><td>5</td><td>0.20</td><td>-0.00</td><td>0.20</td><td>-90</td></tr> <tr><td>6</td><td>0.00</td><td>-0.14</td><td>0.14</td><td>-90</td></tr> </tbody> </table>	Nr.	dx	dy	l	v°	1	0.20	-0.00	0.20	-90	2	0.00	-0.14	0.14	-90	3	-0.20	0.00	0.20	-90	4	0.00	0.14	0.14	-90	5	0.20	-0.00	0.20	-90	6	0.00	-0.14	0.14	-90	632.40	390.191
Nr.	dx	dy	l	v°																																							
1	0.20	-0.00	0.20	-90																																							
2	0.00	-0.14	0.14	-90																																							
3	-0.20	0.00	0.20	-90																																							
4	0.00	0.14	0.14	-90																																							
5	0.20	-0.00	0.20	-90																																							
6	0.00	-0.14	0.14	-90																																							
63	1240	8	0.37		A1		458.80	181.226																																			

Gesamtgewicht (kg) 4373.257

Projekt: 142-17 VRTEC KAMNITNIK

/ A-11

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA STEN 4 DEL

Plan Nr. : A-11

**S T A H L L I S T E Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	D6	D8	D10	D12	D14	D16	D20	
1	243	8	1.74		422.82						
2	18	20	4.65							83.70	
3	15	16	3.85						57.75		
4	54	10	3.85		207.90						
5	642	10	1.74		1117.08						
6	161	8	1.72		276.92						
7	52	20	5.90							306.80	
8	279	10	1.80		502.20						
9	16	14	1.84				29.44				
10	8	16	4.05						32.40		
11	104	10	2.30		239.20						
12	8	16	1.84						14.72		
13	4	20	3.50							14.00	
14	18	10	1.76		31.68						
15	3	10	0.76		2.28						
16	12	12	3.50				42.00				
17	48	20	4.35							208.80	
18	5	16	6.00						30.00		
19	4	14	5.40					21.60			
20	8	14	3.80					30.40			
21	26	6	1.32	34.32							
22	8	16	2.00						16.00		
23	4	12	1.60				6.40				
24	18	10	5.40		97.20						
25	36	10	5.00		180.00						
26	34	10	0.86		29.24						
27	12	16	3.30						39.60		
28	36	10	4.60		165.60						
29	12	16	12.00						144.00		
30	20	16	4.35						87.00		
31	11	12	3.00				33.00				
32	16	12	1.40				22.40				
33	8	14	1.60					12.80			
34	24	12	4.35				104.40				
35	88	8	2.30		202.40						
36	52	20	4.60							239.20	
37	54	10	2.20		118.80						
38	34	10	2.54		86.36						
39	63	10	3.34		210.42						
40	63	10	1.64		103.32						
41	12	14	2.90					34.80			
42	6	14	3.20					19.20			
43	5	10	3.85		19.25						
44	15	20	0.14							2.10	
45	15	16	0.14						2.10		
46	2	14	4.14					8.28			
47	27	10	2.50		67.50						
48	380	10	1.02		387.60						
49	760	8	0.37		281.20						
Gesamtlängen					34.32	3565.63		156.52		854.60	
kg / m					D6 0.222	D10 0.617		D14 1.210		D20 2.470	
kg / d					7.619	2199.994		189.389		2110.862	
Gesamtlängen					1183.34		208.20		423.57		
kg / m					D8 0.395	D12 0.888		D16 1.580			
kg / d					467.419	184.882		669.241			
Gesamtgewicht (kg)					5829.406						

Projekt: 142-17 VRTEC KAMNITNIK

/ A-11

**S T A H L L I S T E Betonstahl: BST 500 S**

**Pos. Stk. d Länge D6 D8 D10 D12 D14 D16 D20**

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Projekt: 142-17 VRTEC KAMNITNIK

/ A-11

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA STEN 4 DEL

Plan Nr. : A-11

<b>M A T T E N L I S T E Betonstahl: BST 500 MA</b>						
Pos.	Stk.	Typ	Länge	Breite	Q335_	Q524
1	8	Q524	1.50	2.15		25.80
2	2	Q335_	3.80	1.90	14.44	
3	2	Q524	3.80	1.90		14.44
4	2	Q335_	1.40	1.90	5.32	
5	2	Q524	1.30	1.90		4.94
6	8	Q335_	3.80	2.15	65.36	
7	14	Q335_	2.20	2.15	66.22	
8	2	Q335_	3.00	1.90	11.40	
9	4	Q335_	3.80	1.08	16.42	
10	2	Q335_	1.90	2.10	7.98	
11	2	Q524	4.10	1.08		8.86
12	2	Q524	1.65	2.15		7.09
13	4	Q524	2.20	2.15		18.92
14	2	Q524	3.80	1.08		8.21
15	2	Q524	3.80	2.15		16.34
16	2	Q524	2.15	2.15		9.24
17	2	Q335_	4.10	2.15	17.63	
18	14	Q524	3.00	2.15		90.30
19	12	Q524	1.90	2.15		49.02
20	2	Q335_	4.10	1.29	10.58	
21	2	Q524	2.50	2.15		10.75
23	4	Q524	4.10	2.15		35.26
24	2	Q335_	2.87	1.60	9.18	
25	2	Q524	4.10	0.81		6.64
26	2	Q524	4.10	1.50		12.30
27	2	Q524	4.10	0.90		7.38
30	2	Q524	4.10	1.17		9.59

-----				
Gesamtflächen			224.53	335.09
kg / m2			5.33	8.32
kg / Mattentyp			1196.734	2787.949
-----				

Gesamtgewicht (kg)	3984.683
-----	

Projekt: 142-17 VRTEC KAMNITNIK

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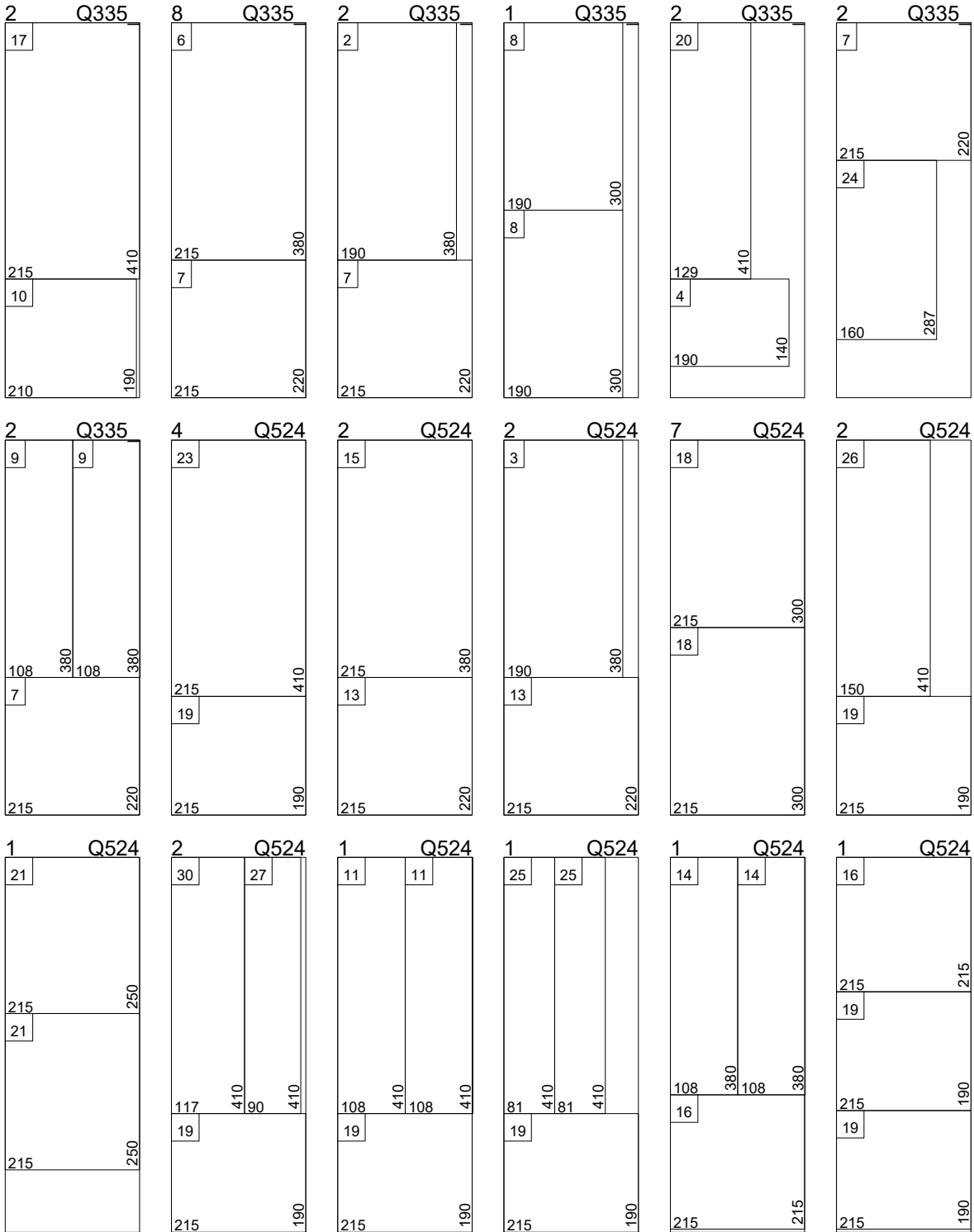
**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA STEN 4 DEL

Plan Nr. : A-11

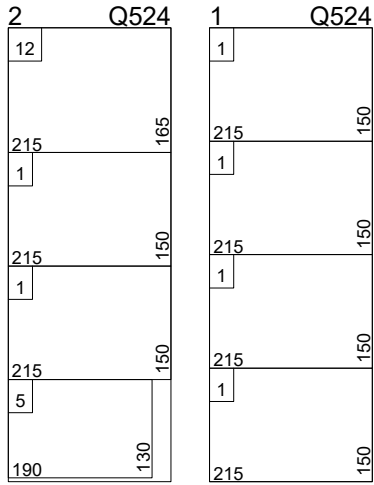
**MATTENSCHNEIDESKIZZE Betonstahl: BST 500 MA**



Projekt: 142-17 VRTEC KAMNITNIK

/ A-11

MATTENSCHNEIDESKIZZE Betonstahl: BST 500 MA



Gesamtstahlmenge brutto

Stk.	Typ	Länge m	Breite m	Gewicht kg
19	Q335_	6.00	2.15	1306.383
27	Q524	6.00	2.15	2897.856
Gesamtgewicht brutto (kg)				4204.239



Projekt: 142-17 VRTEC KAMNITNIK

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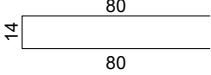
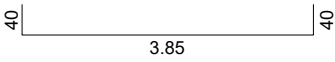
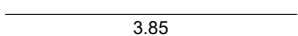
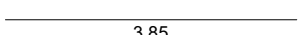
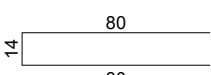
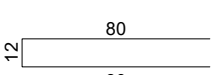
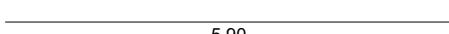
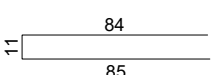
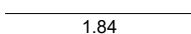
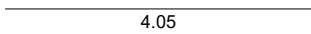
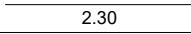
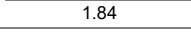
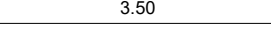
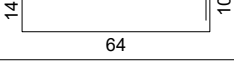
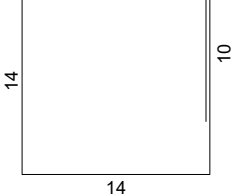
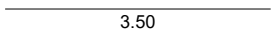
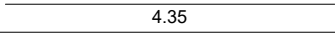
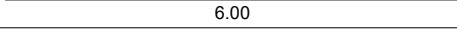
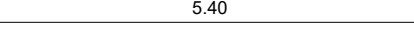
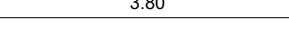
**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

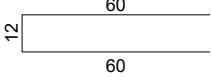
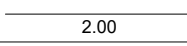
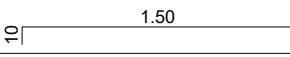
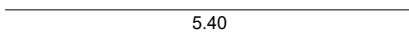
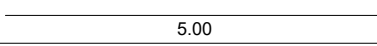

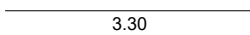
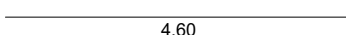
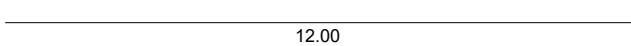
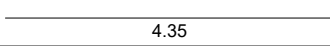
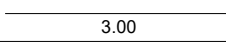
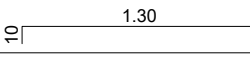
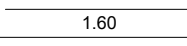
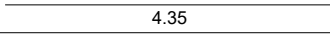
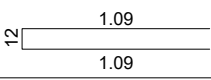
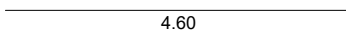
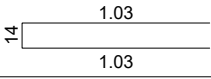
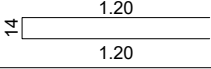
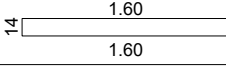
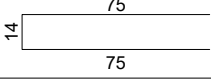
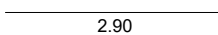
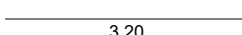
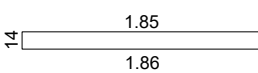
Bauteil : ARMATURA STEN 4 DEL

Plan Nr. : A-11

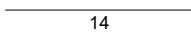
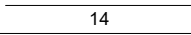
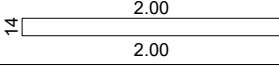
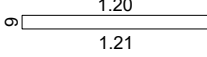
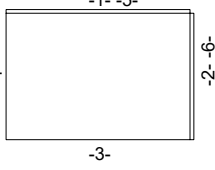
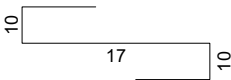
**BIEGELISTE Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
1	243	8	1.74		A3		422.82	167.014
2	18	20	4.65		A3		83.70	206.739
3	15	16	3.85		A1		57.75	91.245
4	54	10	3.85		A1		207.90	128.274
5	642	10	1.74		A3		1117.08	689.238
6	161	8	1.72		A3		276.92	109.383
7	52	20	5.90		A1		306.80	757.796
8	279	10	1.80		A3		502.20	309.857
9	16	14	1.84		A1		29.44	35.622
10	8	16	4.05		A1		32.40	51.192
11	104	10	2.30		A1		239.20	147.586
12	8	16	1.84		A1		14.72	23.258
13	4	20	3.50		A1		14.00	34.580
14	18	10	1.76		B2	 Winkel 0 Grad	31.68	19.547
15	3	10	0.76		B2	 Winkel 0 Grad	2.28	1.407
16	12	12	3.50		A1		42.00	37.296
17	48	20	4.35		A1		208.80	515.736
18	5	16	6.00		A1		30.00	47.400
19	4	14	5.40		A1		21.60	26.136
20	8	14	3.80		A1		30.40	36.784

BIEGELISTE Betonstahl: BST 500 S

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
21	26	6	1.32		A3		34.32	7.619
22	8	16	2.00		A1		16.00	25.280
23	4	12	1.60		A2		6.40	5.683
24	18	10	5.40		A1		97.20	59.972
25	36	10	5.00		A1		180.00	111.060
26	34	10	0.86		B2	 Winkel 0 Grad	29.24	18.041
27	12	16	3.30		A1		39.60	62.568
28	36	10	4.60		A1		165.60	102.175
29	12	16	12.00		A1		144.00	227.520
30	20	16	4.35		A1		87.00	137.460
31	11	12	3.00		A1		33.00	29.304
32	16	12	1.40		A2		22.40	19.891
33	8	14	1.60		A1		12.80	15.488
34	24	12	4.35		A1		104.40	92.707
35	88	8	2.30		A3		202.40	79.948
36	52	20	4.60		A1		239.20	590.824
37	54	10	2.20		A3		118.80	73.300
38	34	10	2.54		A3		86.36	53.284
39	63	10	3.34		A3		210.42	129.829
40	63	10	1.64		A3		103.32	63.748
41	12	14	2.90		A1		34.80	42.108
42	6	14	3.20		A1		19.20	23.232
43	5	10	3.85		A3		19.25	11.877

**B I E G E L I S T E** Betonstahl: BST 500 S

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg																																			
44	15	20	0.14		A1		2.10	5.187																																			
45	15	16	0.14		A1		2.10	3.318																																			
46	2	14	4.14		A3		8.28	10.019																																			
47	27	10	2.50		A3		67.50	41.647																																			
48	380	10	1.02		X1	 <table border="1" data-bbox="571 880 826 1014"> <tr> <th>Nr.</th> <th>dx</th> <th>dy</th> <th>l</th> <th>v°</th> </tr> <tr> <td>1</td> <td>0.20</td> <td>-0.00</td> <td>0.20</td> <td>-90</td> </tr> <tr> <td>2</td> <td>0.00</td> <td>-0.14</td> <td>0.14</td> <td>-90</td> </tr> <tr> <td>3</td> <td>-0.20</td> <td>0.00</td> <td>0.20</td> <td>-90</td> </tr> <tr> <td>4</td> <td>0.00</td> <td>0.14</td> <td>0.14</td> <td>-90</td> </tr> <tr> <td>5</td> <td>0.20</td> <td>-0.00</td> <td>0.20</td> <td>-90</td> </tr> <tr> <td>6</td> <td>0.00</td> <td>-0.14</td> <td>0.14</td> <td>-90</td> </tr> </table>	Nr.	dx	dy	l	v°	1	0.20	-0.00	0.20	-90	2	0.00	-0.14	0.14	-90	3	-0.20	0.00	0.20	-90	4	0.00	0.14	0.14	-90	5	0.20	-0.00	0.20	-90	6	0.00	-0.14	0.14	-90	387.60	239.149
Nr.	dx	dy	l	v°																																							
1	0.20	-0.00	0.20	-90																																							
2	0.00	-0.14	0.14	-90																																							
3	-0.20	0.00	0.20	-90																																							
4	0.00	0.14	0.14	-90																																							
5	0.20	-0.00	0.20	-90																																							
6	0.00	-0.14	0.14	-90																																							
49	760	8	0.37		A1		281.20	111.074																																			

Gesamtgewicht (kg) 5829.405

Projekt: 142-17 VRTEC KAMNITNIK

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**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA STEN 5 DEL

Plan Nr. : A-12

**S T A H L L I S T E Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	D8	D10	D12	D14	D16	D20
1	405	8	1.74	704.70					
2	8	16	9.00					72.00	
3	20	12	8.75			175.00			
4	147	12	2.65			389.55			
5	4	16	4.30					17.20	
6	491	8	1.75	859.25					
7	8	14	13.00				104.00		
8	4	20	4.05						16.20
9	4	16	3.20					12.80	
10	4	16	4.10					16.40	
11	62	16	4.05					251.10	
12	8	14	1.85				14.80		
13	95	12	2.30			218.50			
14	516	12	2.38			1228.08			
15	27	10	2.12		57.24				
16	270	10	1.79		483.30				
17	16	14	2.00				32.00		
18	326	12	2.98			971.48			
19	8	14	4.80				38.40		
20	5	14	2.94				14.70		
21	71	8	1.24	88.04					
22	42	12	2.00			84.00			
23	46	12	1.70			78.20			
24	6	14	2.50				15.00		
25	19	12	2.90			55.10			
26	19	12	2.75			52.25			
27	98	10	2.34		229.32				
28	28	20	4.30					120.40	
29	8	14	10.50				84.00		
30	440	10	1.02		448.80				
31	880	8	0.37	325.60					
32	8	14	2.50				20.00		
33	41	10	2.94		120.54				
34	8	12	2.05			16.40			
35	6	8	1.52	9.12					
36	5	8	1.16	5.80					
37	6	14	1.50				9.00		
38	8	12	1.35			10.80			
39	5	8	0.76	3.80					
40	18	8	1.04	18.72					
41	4	10	1.42		5.68				
42	9	8	1.32	11.88					
43	9	8	1.68	15.12					
44	56	12	2.50			140.00			
45	102	10	1.80		183.60				
46	22	8	1.16	25.52					
47	19	16	0.14					2.66	
48	520	10	1.29		670.80				
49	1040	8	0.45	468.00					
Gesamtlängen				2535.55		3419.36		372.16	
kg / m				D8 0.395		D12 0.888		D16 1.580	
kg / d				1001.542		3036.392		588.013	
-----									
Gesamtlängen					2199.28		331.90		136.60
kg / m					D10 0.617		D14 1.210		D20 2.470
kg / d					1356.956		401.599		337.402
-----									
Gesamtgewicht (kg)				6721.904					

Projekt: 142-17 VRTEC KAMNITNIK

/ A-12

**S T A H L L I S T E Betonstahl: BST 500 S**

**Pos. Stk. d Länge D8 D10 D12 D14 D16 D20**

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Projekt: 142-17 VRTEC KAMNITNIK

/ A-12

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA STEN 5 DEL

Plan Nr. : A-12

**M A T T E N L I S T E Betonstahl: BST 500 MA**

Pos.	Stk.	Typ	Länge	Breite	Q335	Q524	Q785
1	2	Q335_	3.80	1.70	12.92		
2	12	Q524	3.00	2.15		77.40	
3	2	Q335_	1.25	2.15	5.38		
4	10	Q524	4.10	2.15		88.15	
6	38	Q335_	3.80	2.15	310.46		
7	52	Q335_	2.20	2.15	245.96		
8	2	Q524	4.10	1.71		14.02	
9	4	Q335_	3.80	1.07	16.26		
10	12	Q524	1.90	2.15		49.02	
11	2	Q785	3.80	1.39			10.56
12	8	Q785	3.00	2.15			51.60
13	8	Q785	1.90	2.15			32.68
14	8	Q785	4.10	2.15			70.52
15	60	Q785	2.20	2.15			283.80
16	32	Q785	3.80	2.15			261.44
17	8	Q335_	2.00	2.15	34.40		

-----					
Gesamtflächen			625.38	228.59	710.60
kg / m2			5.33	8.32	12.45
kg / Mattentyp			3333.270	1901.885	8847.020
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Gesamtgewicht (kg) 14082.175

Projekt: 142-17 VRTEC KAMNITNIK

/ A-12

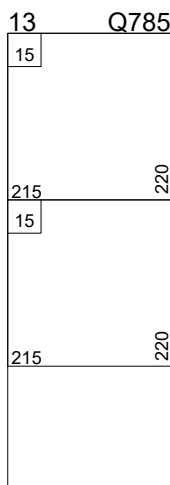
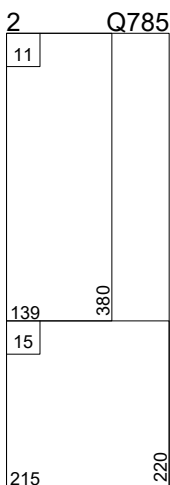
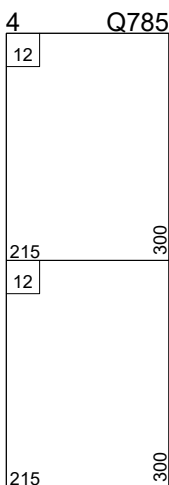
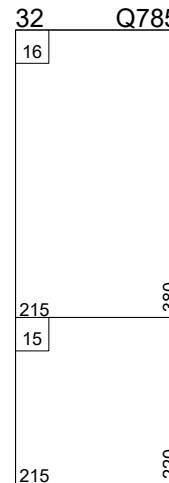
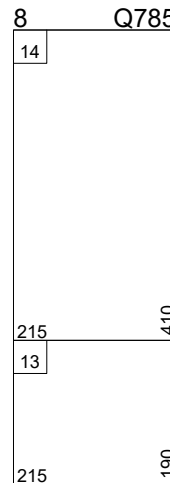
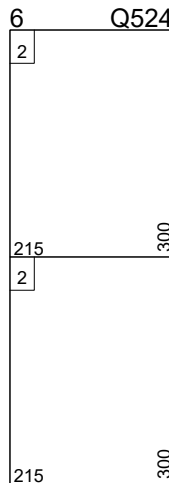
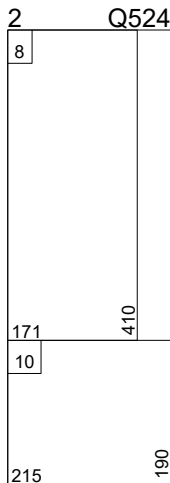
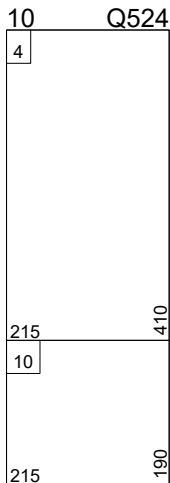
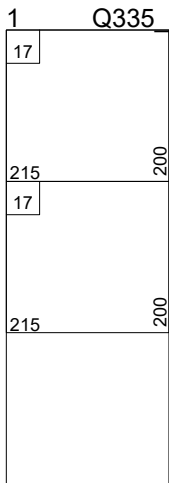
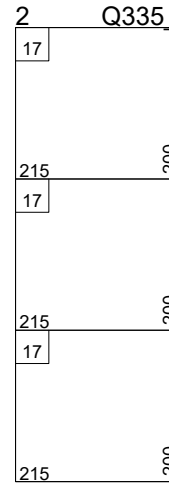
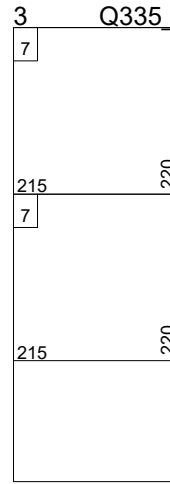
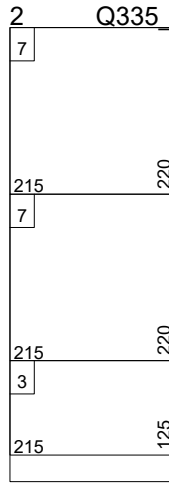
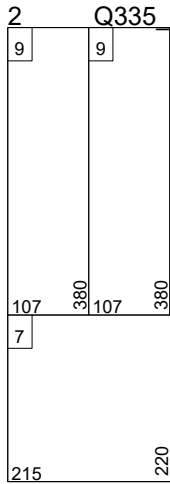
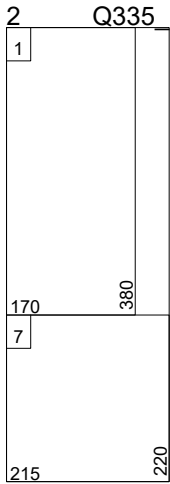
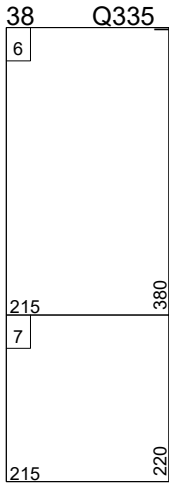
**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA STEN 5 DEL

Plan Nr. : A-12

**MATTENSCHNEIDESKIZZE Betonstahl: BST 500 MA**



Projekt: 142-17 VRTEC KAMNITNIK

/ A-12

## MATTENSCHNEIDESKIZZE Betonstahl: BST 500 MA

## Gesamtstahlmenge brutto

Stk.	Typ	Länge m	Breite m	Gewicht kg
50	Q335_	6.00	2.15	3437.850
18	Q524	6.00	2.15	1931.904
59	Q785	6.00	2.15	9475.695
Gesamtgewicht brutto (kg)				14845.449



Projekt: 142-17 VRTEC KAMNITNIK

/ A-12

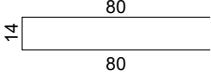
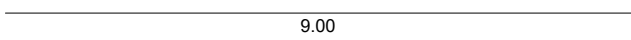
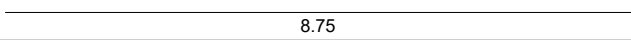
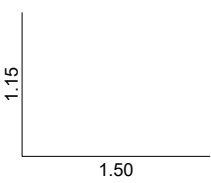
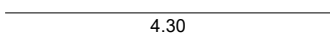
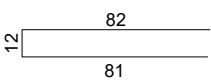
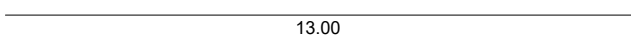
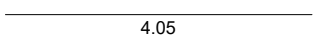
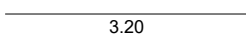
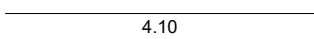
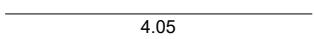
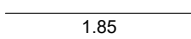
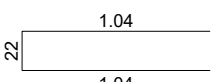
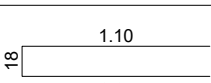
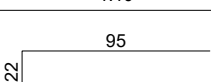
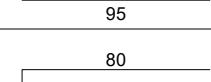
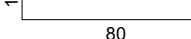
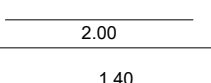

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

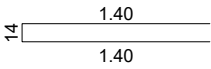
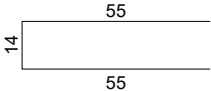
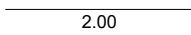
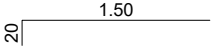
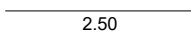
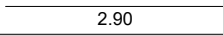
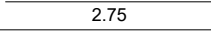
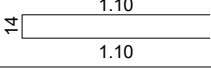
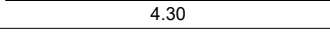
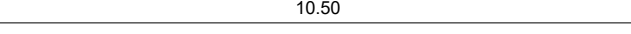
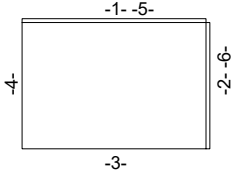
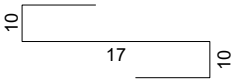
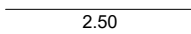
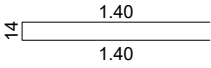
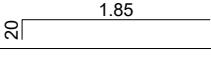
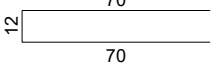
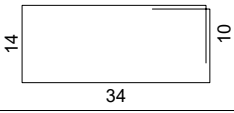
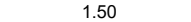
Bauteil : ARMATURA STEN 5 DEL

Plan Nr. : A-12

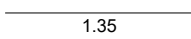
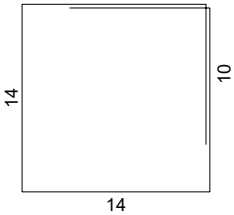
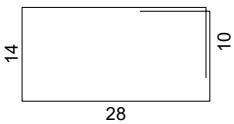
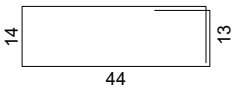
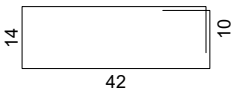
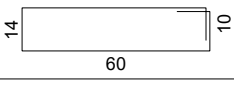
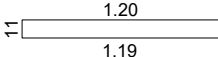
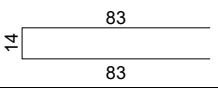

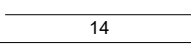
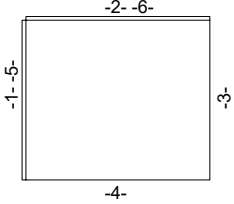
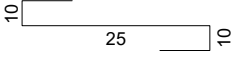
**BIEGELISTE Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
1	405	8	1.74		A3		704.70	278.357
2	8	16	9.00		A1		72.00	113.760
3	20	12	8.75		A1		175.00	155.400
4	147	12	2.65		A2		389.55	345.920
5	4	16	4.30		A1		17.20	27.176
6	491	8	1.75		A3		859.25	339.404
7	8	14	13.00		A1		104.00	125.840
8	4	20	4.05		A1		16.20	40.014
9	4	16	3.20		A1		12.80	20.224
10	4	16	4.10		A1		16.40	25.912
11	62	16	4.05		A1		251.10	396.738
12	8	14	1.85		A1		14.80	17.908
13	95	12	2.30		A3		218.50	194.028
14	516	12	2.38		A3		1228.08	1090.535
15	27	10	2.12		A3		57.24	35.317
16	270	10	1.79		A3		483.30	298.196
17	16	14	2.00		A1		32.00	38.720
18	326	12	2.98		A3		971.48	862.674
19	8	14	4.80		A1		38.40	46.464

**BIEGELISTE Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg																																			
20	5	14	2.94		A3		14.70	17.787																																			
21	71	8	1.24		A3		88.04	34.776																																			
22	42	12	2.00		A1		84.00	74.592																																			
23	46	12	1.70		A2		78.20	69.442																																			
24	6	14	2.50		A1		15.00	18.150																																			
25	19	12	2.90		A1		55.10	48.929																																			
26	19	12	2.75		A1		52.25	46.398																																			
27	98	10	2.34		A3		229.32	141.490																																			
28	28	20	4.30		A1		120.40	297.388																																			
29	8	14	10.50		A1		84.00	101.640																																			
30	440	10	1.02		X1	 <table border="1" data-bbox="571 1301 821 1435"> <thead> <tr> <th>Nr.</th> <th>dx</th> <th>dy</th> <th>l</th> <th>v°</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.20</td> <td>-0.00</td> <td>0.20</td> <td>-90</td> </tr> <tr> <td>2</td> <td>0.00</td> <td>-0.14</td> <td>0.14</td> <td>-90</td> </tr> <tr> <td>3</td> <td>-0.20</td> <td>0.00</td> <td>0.20</td> <td>-90</td> </tr> <tr> <td>4</td> <td>0.00</td> <td>0.14</td> <td>0.14</td> <td>-90</td> </tr> <tr> <td>5</td> <td>0.20</td> <td>-0.00</td> <td>0.20</td> <td>-90</td> </tr> <tr> <td>6</td> <td>0.00</td> <td>-0.14</td> <td>0.14</td> <td>-90</td> </tr> </tbody> </table>	Nr.	dx	dy	l	v°	1	0.20	-0.00	0.20	-90	2	0.00	-0.14	0.14	-90	3	-0.20	0.00	0.20	-90	4	0.00	0.14	0.14	-90	5	0.20	-0.00	0.20	-90	6	0.00	-0.14	0.14	-90	448.80	276.910
Nr.	dx	dy	l	v°																																							
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2	0.00	-0.14	0.14	-90																																							
3	-0.20	0.00	0.20	-90																																							
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5	0.20	-0.00	0.20	-90																																							
6	0.00	-0.14	0.14	-90																																							
31	880	8	0.37		A1		325.60	128.612																																			
32	8	14	2.50		A1		20.00	24.200																																			
33	41	10	2.94		A3		120.54	74.373																																			
34	8	12	2.05		A2		16.40	14.563																																			
35	6	8	1.52		A3		9.12	3.602																																			
36	5	8	1.16		B2	 <p style="text-align: right;">Winkel 0 Grad</p>	5.80	2.291																																			
37	6	14	1.50		A1		9.00	10.890																																			

**BIEGELISTE Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg																																			
38	8	12	1.35		A1		10.80	9.590																																			
39	5	8	0.76		B2		3.80	1.501																																			
40	18	8	1.04		B2		18.72	7.394																																			
41	4	10	1.42		B2		5.68	3.505																																			
42	9	8	1.32		B2		11.88	4.693																																			
43	9	8	1.68		B2		15.12	5.972																																			
44	56	12	2.50		A3		140.00	124.320																																			
45	102	10	1.80		A3		183.60	113.281																																			
46	22	8	1.16		B2		25.52	10.080																																			
47	19	16	0.14		A1		2.66	4.203																																			
48	520	10	1.29		X1	 <table border="1" data-bbox="566 1758 829 1892"> <thead> <tr> <th>Nr.</th> <th>dx</th> <th>dy</th> <th>l</th> <th>v°</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.00</td> <td>0.20</td> <td>0.20</td> <td>-90</td> </tr> <tr> <td>2</td> <td>0.23</td> <td>0.00</td> <td>0.23</td> <td>-90</td> </tr> <tr> <td>3</td> <td>0.00</td> <td>-0.20</td> <td>0.20</td> <td>-90</td> </tr> <tr> <td>4</td> <td>-0.23</td> <td>0.00</td> <td>0.23</td> <td>-90</td> </tr> <tr> <td>5</td> <td>0.00</td> <td>0.20</td> <td>0.20</td> <td>-90</td> </tr> <tr> <td>6</td> <td>0.23</td> <td>0.00</td> <td>0.23</td> <td>-90</td> </tr> </tbody> </table>	Nr.	dx	dy	l	v°	1	0.00	0.20	0.20	-90	2	0.23	0.00	0.23	-90	3	0.00	-0.20	0.20	-90	4	-0.23	0.00	0.23	-90	5	0.00	0.20	0.20	-90	6	0.23	0.00	0.23	-90	670.80	413.884
Nr.	dx	dy	l	v°																																							
1	0.00	0.20	0.20	-90																																							
2	0.23	0.00	0.23	-90																																							
3	0.00	-0.20	0.20	-90																																							
4	-0.23	0.00	0.23	-90																																							
5	0.00	0.20	0.20	-90																																							
6	0.23	0.00	0.23	-90																																							
49	1040	8	0.45		A1		468.00	184.860																																			

SOFISTIK AG - www.sofistik.com

Gesamtgewicht (kg) 6721.904

Projekt: 142-17 VRTEC KAMNITNIK

/ A-13

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA STEN 6 DEL

Plan Nr. : A-13

**S T A H L L I S T E Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	D8	D10	D16	D20
1	28	20	4.80				134.40
2	554	10	1.94		1074.76		
3	24	20	6.40				153.60
4	162	10	6.50		1053.00		
5	138	10	1.71		235.98		
6	30	20	4.04				121.20
7	14	20	4.00				56.00
8	17	10	1.54		26.18		
9	17	10	0.84		14.28		
10	14	10	1.08		15.12		
11	12	16	1.90			22.80	
12	52	10	1.50		78.00		
13	4	16	4.35			17.40	
14	6	8	1.71	10.26			
15	54	10	1.60		86.40		
16	8	20	2.15				17.20
17	58	10	1.83		106.14		
18	66	10	1.80		118.80		
19	8	20	1.99				15.92
20	8	20	2.65				21.20
21	8	20	1.95				15.60
22	140	10	1.02		142.80		
23	280	8	0.37	103.60			
Gesamtlängen				113.86	2951.46	40.20	535.12
kg / m				D8 0.395	D10 0.617	D16 1.580	D20 2.470
kg / d				44.975	1821.051	63.516	1321.746

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Gesamtgewicht (kg) 3251.288  
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Projekt: 142-17 VRTEC KAMNITNIK

/ A-13

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA STEN 6 DEL

Plan Nr. : A-13

**M A T T E N L I S T E Betonstahl: BST 500 MA**

Pos.	Stk.	Typ	Länge	Breite	Q524
1	2	Q524	4.30	2.15	18.49
2	4	Q524	3.00	2.15	25.80
3	2	Q524	4.30	1.08	9.29
4	6	Q524	4.10	2.15	52.89
5	2	Q524	3.20	2.15	13.76
6	2	Q524	4.10	1.08	8.86
7	2	Q524	1.71	2.00	6.84
8	2	Q524	1.35	2.00	5.40
9	2	Q524	1.95	2.15	8.38
10	4	Q524	1.90	2.15	16.34
11	2	Q524	1.80	2.15	7.74
12	2	Q524	4.30	1.95	16.77
13	4	Q524	2.65	2.00	21.20
14	2	Q524	3.35	2.00	13.40
15	2	Q524	1.90	1.95	7.41

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Gesamtflächen	232.57
kg / m2	8.32
kg / Mattentyp	1934.974

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Gesamtgewicht (kg)	1934.974
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Projekt: 142-17 VRTEC KAMNITNIK

/ A-13

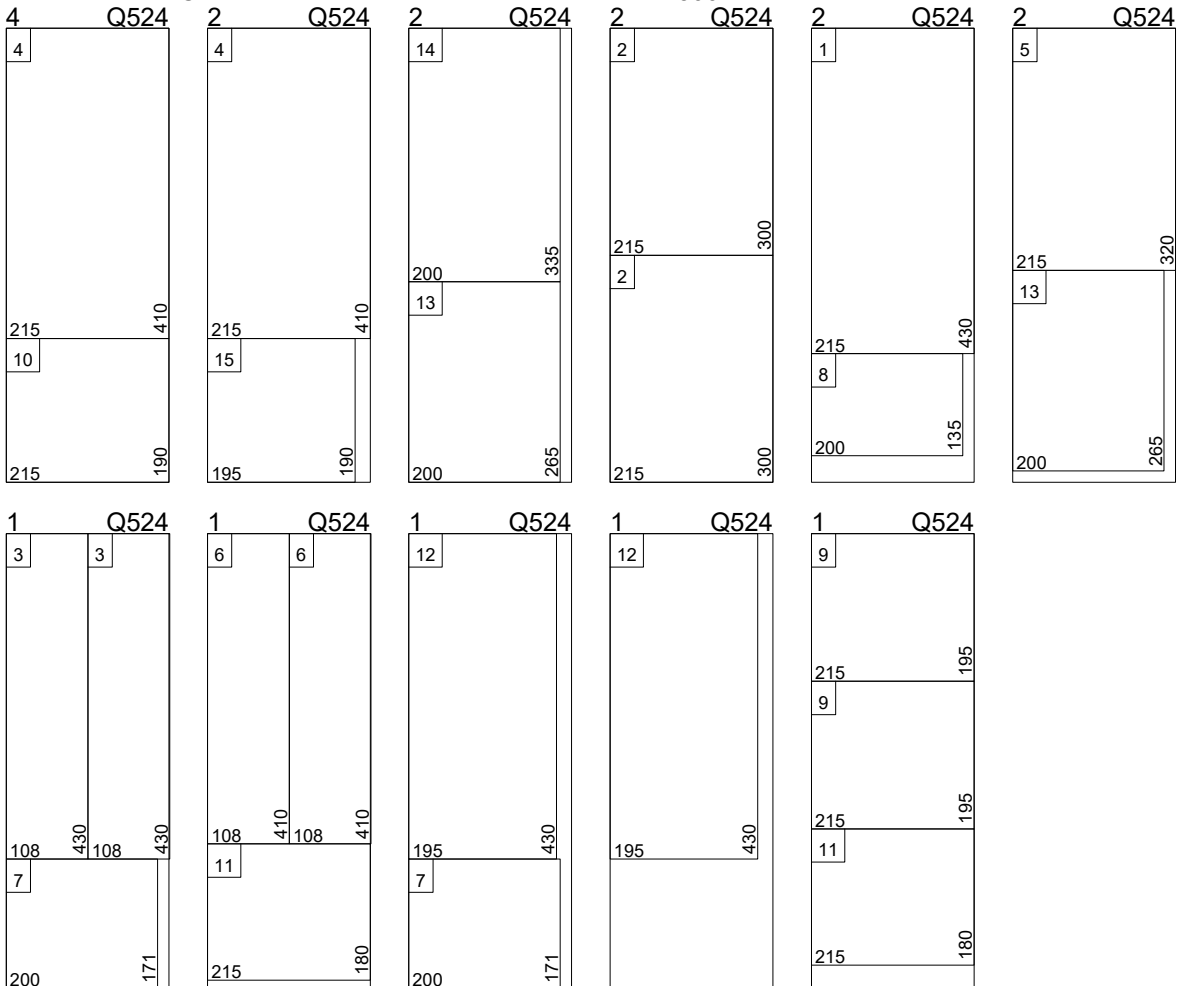
**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

Bauteil : ARMATURA STEN 6 DEL

Plan Nr. : A-13

**MATTENSCHNEIDESKIZZE Betonstahl: BST 500 MA**



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**Gesamtstahlmenge brutto**

Stk.	Typ	Länge m	Breite m	Gewicht kg
19	Q524	6.00	2.15	2039.232
Gesamtgewicht brutto (kg)				2039.232

Projekt: 142-17 VRTEC KAMNITNIK

/ A-13

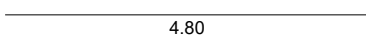
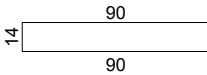
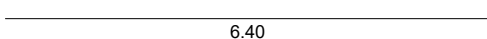
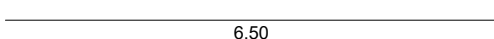
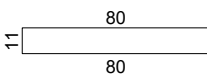
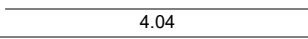
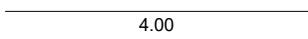
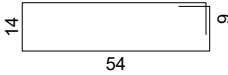
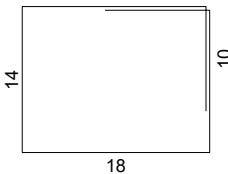
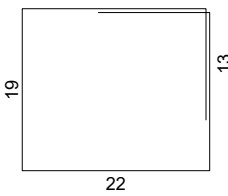
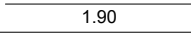
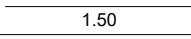
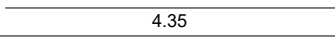
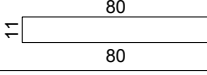
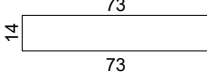
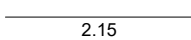
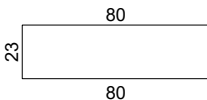
**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK

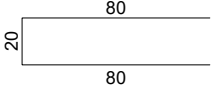
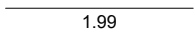
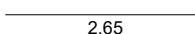
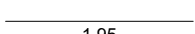
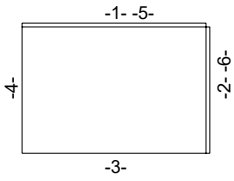
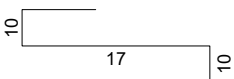
Bauteil : ARMATURA STEN 6 DEL

Plan Nr. : A-13

**BIEGELISTE Betonstahl: BST 500 S**

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
1	28	20	4.80		A1	 4.80	134.40	331.968
2	554	10	1.94		A3	 90 90	1074.76	663.127
3	24	20	6.40		A1	 6.40	153.60	379.392
4	162	10	6.50		A1	 6.50	1053.00	649.701
5	138	10	1.71		A3	 80 80	235.98	145.600
6	30	20	4.04		A1	 4.04	121.20	299.364
7	14	20	4.00		A1	 4.00	56.00	138.320
8	17	10	1.54		B2	 Winkel 0 Grad 14 9 54	26.18	16.153
9	17	10	0.84		B2	 Winkel 0 Grad 14 10 18	14.28	8.811
10	14	10	1.08		B2	 Winkel 0 Grad 19 13 22	15.12	9.329
11	12	16	1.90		A1	 1.90	22.80	36.024
12	52	10	1.50		A1	 1.50	78.00	48.126
13	4	16	4.35		A1	 4.35	17.40	27.492
14	6	8	1.71		A3	 80 80	10.26	4.053
15	54	10	1.60		A3	 73 73	86.40	53.309
16	8	20	2.15		A1	 2.15	17.20	42.484
17	58	10	1.83		A3	 80 80	106.14	65.488

**BIEGELISTE** Betonstahl: BST 500 S

Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg																																			
18	66	10	1.80		A3		118.80	73.300																																			
19	8	20	1.99		A1		15.92	39.322																																			
20	8	20	2.65		A1		21.20	52.364																																			
21	8	20	1.95		A1		15.60	38.532																																			
22	140	10	1.02		X1	 <table border="1" data-bbox="571 869 826 1003"> <thead> <tr> <th>Nr.</th> <th>dx</th> <th>dy</th> <th>l</th> <th>v°</th> </tr> </thead> <tbody> <tr><td>1</td><td>0.20</td><td>-0.00</td><td>0.20</td><td>-90</td></tr> <tr><td>2</td><td>0.00</td><td>-0.14</td><td>0.14</td><td>-90</td></tr> <tr><td>3</td><td>-0.20</td><td>0.00</td><td>0.20</td><td>-90</td></tr> <tr><td>4</td><td>0.00</td><td>0.14</td><td>0.14</td><td>-90</td></tr> <tr><td>5</td><td>0.20</td><td>-0.00</td><td>0.20</td><td>-90</td></tr> <tr><td>6</td><td>0.00</td><td>-0.14</td><td>0.14</td><td>-90</td></tr> </tbody> </table>	Nr.	dx	dy	l	v°	1	0.20	-0.00	0.20	-90	2	0.00	-0.14	0.14	-90	3	-0.20	0.00	0.20	-90	4	0.00	0.14	0.14	-90	5	0.20	-0.00	0.20	-90	6	0.00	-0.14	0.14	-90	142.80	88.108
Nr.	dx	dy	l	v°																																							
1	0.20	-0.00	0.20	-90																																							
2	0.00	-0.14	0.14	-90																																							
3	-0.20	0.00	0.20	-90																																							
4	0.00	0.14	0.14	-90																																							
5	0.20	-0.00	0.20	-90																																							
6	0.00	-0.14	0.14	-90																																							
23	280	8	0.37		A1		103.60	40.922																																			

Gesamtgewicht (kg) 3251.288



Projekt: 142-17 VRTEC KAMNITNIK

/ A-14

**Projektdaten**

Bezeichnung : VRTEC KAMNITNIK  
Bauteil : ARMATURA STOPNIC  
Plan Nr. : A-14

**S T A H L L I S T E Betonstahl: B 500-B**

Pos.	Stk.	d	Länge	D10	D12
1	162	10	2.40	388.80	
2	144	12	1.95		280.80
3	32	12	5.70		182.40
4	32	12	2.50		80.00
5	32	12	3.55		113.60

Gesamtlängen			388.80	656.80
kg / m		D10	0.617	D12 0.888
kg / d			239.890	583.238

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Gesamtgewicht (kg) 823.128  
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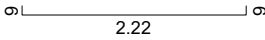
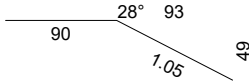
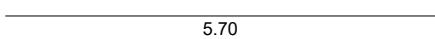
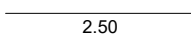
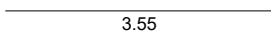
Anzahl 2 1646.256  
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Projekt: 142-17 VRTEC KAMNITNIK

/ A-14

**Projektdate**

Bezeichnung : VRTEC KAMNITNIK  
Bauteil : ARMATURA STOPNIC  
Plan Nr. : A-14

BIEGELISTE Betonstahl: B 500-B Anzahl 2								
Pos.	Stk.	d	Länge	dbr ds	Typ	Biegeform	Ges.L	Gewicht kg
1	162	10	2.40		A3		388.80	239.890
2	144	12	1.95		C1		280.80	249.350
3	32	12	5.70		A1		182.40	161.971
4	32	12	2.50		A1		80.00	71.040
5	32	12	3.55		A1		113.60	100.877

Gesamtgewicht (kg) 823.128

Anzahl 2

Gesamtgewicht (kg) 1646.256

Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-01

Projekt : VRTEC KAMNITNIK  
 Element : Pl. nad pritlicjem - del A - arma. sp.  
 St.nacrta : AR-N-01

P A L I C N A ARMATURA Jeklo: 500S

Poz.	Kom	fi	Dolzina	D8	D10	D12	D16	D20
1	1223	10	1.79		2189.17			
2	821	12	2.59			2126.39		
3	884	12	2.58			2280.72		
4	600	12	2.00			1200.00		
5	26	20	12.00					312.00
6	12	20	2.00					24.00
7	2	20	11.45					22.90
8	2	20	8.90					17.80
9	10	20	3.80					38.00
10	20	16	12.00				240.00	
11	4	16	2.15				8.60	
12	10	12	12.00			120.00		
13	2	12	1.90			3.80		
14	4	16	2.40				9.60	
15	2	12	2.15			4.30		
16	723	10	1.78		1286.94			
17	4	20	3.60					14.40
18	380	12	1.90			722.00		
19	4	16	3.70				14.80	
20	4	16	1.90				7.60	
21	2	12	3.20			6.40		
22	2	12	1.65			3.30		
23	16	16	9.05				144.80	
24	8	12	9.05			72.40		
25	8	20	2.20					17.60
26	2	20	8.35					16.70
27	2	20	4.40					8.80
28	4	20	3.70					14.80
29	2	20	6.70					13.40
30	8	20	3.00					24.00
31	2	20	7.10					14.20
32	6	20	5.20					31.20
33	12	20	3.00					36.00
34	2	20	4.65					9.30
35	4	20	2.50					10.00
36	4	20	4.00					16.00
37	17	20	3.40					57.80
38	34	20	2.20					74.80
39	18	8	9.00	162.00				
40	147	10	12.00		1764.00			
41	60	8	6.00	360.00				

Skupna dolzina		522.00	5240.11	6539.31	425.40	773.70
kg / m		D8 0.405	D10 0.633	D12 0.911	D16 1.621	D20 2.530
kg / profil		211.410	3316.990	5957.311	689.573	1957.461
Skupna teza (kg)		12132.745				

Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-01

Projekt : VRTEC KAMNITNIK  
Element : Pl. nad pritlicjem - del A - arma. sp.  
St.nacrta : AR-N-01

M R E Z N A ARMATURA Jeklo: 500M						
Poz.	Kom	Tip	Dolzina	Sirina	Povrsina	Teza(kg)
1	84	Q503	6.00	2.20	1108.80	8759.520
2	2	Q503	6.00	1.10	13.20	104.280
3	2	Q503	6.00	1.90	22.80	180.120
4	1	Q503	6.00	1.30	7.80	61.620
5	2	Q503	6.00	1.55	18.60	146.940
6	21	Q503	4.50	2.20	207.90	1642.410
7	1	Q503	4.50	1.90	8.55	67.545
8	1	Q503	4.50	1.00	4.50	35.550
9	2	Q503	6.00	1.00	12.00	94.800
10	1	Q503	3.20	2.05	6.56	51.824
11	9	Q503	3.20	2.20	63.36	500.544
12	1	Q503	3.20	1.30	4.16	32.864
13	1	Q503	6.00	0.85	5.10	40.290
14	6	Q503	3.15	2.20	41.58	328.482
15	6	Q503	2.00	2.20	26.40	208.560
16	2	Q503	3.15	2.00	12.60	99.540
17	1	Q503	2.00	1.10	2.20	17.380
18	21	Q503	1.45	2.20	66.99	529.221
19	1	Q503	1.45	1.60	2.32	18.328

Skupna kolicina

Tip	A(m2)	kg/m2	Teza(kg)
Q503	1635.42	7.900	12919.818

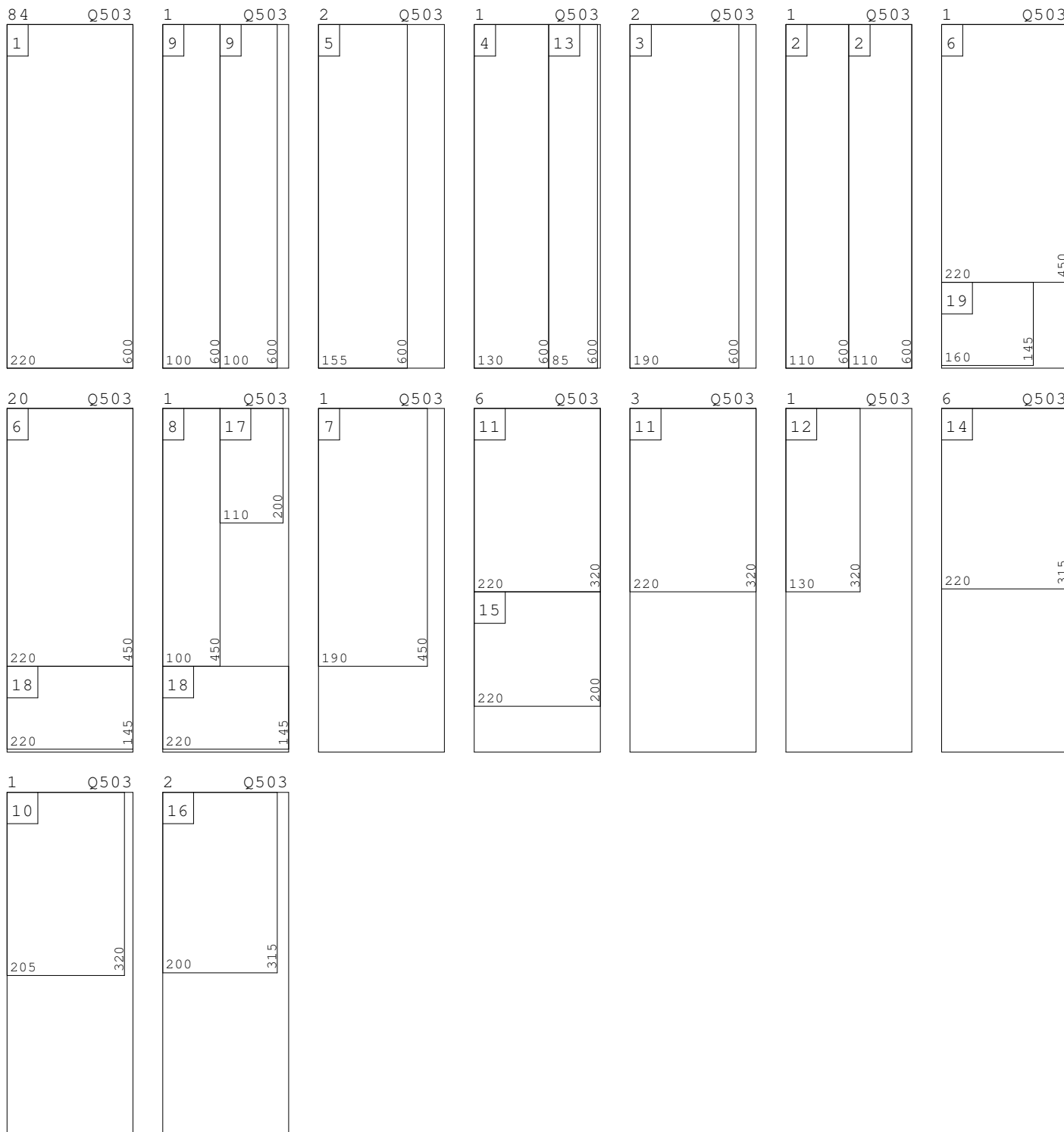
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Netto skupna teza (kg) 12919.818  
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Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-01

Projekt : VRTEC KAMNITNIK  
 Element : Pl. nad pritlicjem - del A - arma. sp.  
 St.nacrta : AR-N-01

R A Z R E Z M R E Z Jeklo: 500M



Brutto skupna kolicina

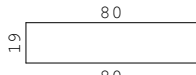
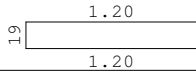
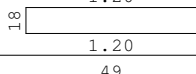

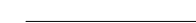




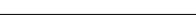


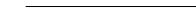
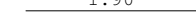
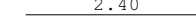
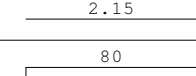

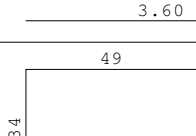




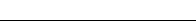


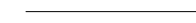
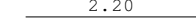
Kom	Tip	Dolzina m	Sirina m	Teza kg
133	Q503	6.00	2.20	13869.241
Brutto skupna teza (kg)				13869.241

Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-01

Projekt : VRTEC KAMNITNIK  
 Element : Pl. nad pritlicjem - del A - arma. sp.  
 St.nacrta : AR-N-01

KRIVLJENJE PALIC Jeklo: 500S

Poz.	Kom.	fi	Dolz.	dbr fi	Tip	Oblika	Skupna dolz.	Teza kg
1	1223	10	1.79		A3		2189.17	1385.745
2	821	12	2.59		A3		2126.39	1937.141
3	884	12	2.58		A3		2280.72	2077.736
4	600	12	2.00		B1	 Kljuka=12.0	1200.00	1093.200
5	26	20	12.00		A1		312.00	789.360
6	12	20	2.00		A1		24.00	60.720
7	2	20	11.45		A1		22.90	57.937
8	2	20	8.90		A1		17.80	45.034
9	10	20	3.80		A1		38.00	96.140
10	20	16	12.00		A1		240.00	389.040
11	4	16	2.15		A1		8.60	13.941
12	10	12	12.00		A1		120.00	109.320
13	2	12	1.90		A1		3.80	3.462
14	4	16	2.40		A1		9.60	15.562
15	2	12	2.15		A1		4.30	3.917
16	723	10	1.78		A3		1286.94	814.633
17	4	20	3.60		A1		14.40	36.432
18	380	12	1.90		B1	 Kljuka=12.0	722.00	657.742
19	4	16	3.70		A1		14.80	23.991
20	4	16	1.90		A1		7.60	12.320
21	2	12	3.20		A1		6.40	5.830
22	2	12	1.65		A1		3.30	3.006
23	16	16	9.05		A1		144.80	234.721
24	8	12	9.05		A1		72.40	65.956
25	8	20	2.20		A1		17.60	44.528
26	2	20	8.35		A1		16.70	42.251
27	2	20	4.40		A1		8.80	22.264

Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-01

KRIVLJENJE PALIC

Poz.	Kom.	fi	Dolz.	dbr fi	Tip	Oblika	Skupna dolz.	Teza kg
28	4	20	3.70		A1		14.80	37.444
29	2	20	6.70		A1		13.40	33.902
30	8	20	3.00		A2		24.00	60.720
31	2	20	7.10		A1		14.20	35.926
32	6	20	5.20		A1		31.20	78.936
33	12	20	3.00		A1		36.00	91.080
34	2	20	4.65		A1		9.30	23.529
35	4	20	2.50		A1		10.00	25.300
36	4	20	4.00		A1		16.00	40.480
37	17	20	3.40		A2		57.80	146.234
38	34	20	2.20		A2		74.80	189.244
39	18	8	9.00		A1		162.00	65.610
40	147	10	12.00		A1		1764.00	1116.612
41	60	8	6.00		A1		360.00	145.800

Skupna teza (kg) 12132.746

Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-02

Projekt : VRTEC KAMNITNIK  
 Element : Pl. nad pritlicjem - del A - arma. zg.  
 St.nacrta : AR-N-02

P A L I C N A ARMATURA Jeklo: 500S

Poz.	Kom	fi	Dolzina	D10	D12	D16	D20
1	38	20	12.00				456.00
2	12	20	2.00				24.00
3	2	20	11.45				22.90
4	28	16	12.00			336.00	
5	4	16	2.15			8.60	
6	10	12	12.00		120.00		
7	2	12	1.90		3.80		
8	2	20	8.90				17.80
9	10	20	3.80				38.00
10	4	16	3.70			14.80	
11	2	12	3.20		6.40		
12	4	16	2.40			9.60	
13	2	12	2.15		4.30		
14	16	16	9.05			144.80	
15	8	12	9.05		72.40		
16	4	20	3.60				14.40
17	8	20	5.00				40.00
18	2	20	4.40				8.80
19	2	20	8.35				16.70
20	4	16	1.90			7.60	
21	2	12	1.65		3.30		
22	8	20	2.20				17.60
23	2	20	4.65				9.30
24	12	20	3.00				36.00
25	2	20	2.50				5.00
26	2	20	7.10				14.20
27	4	20	4.00				16.00
28	8	20	3.00				24.00
29	2	20	6.70				13.40
30	6	20	5.20				31.20
31	17	20	3.40				57.80
32	34	20	2.20				74.80
33	82	20	6.00				492.00
34	105	10	4.00	420.00			
35	3	16	9.00			27.00	
36	4	20	5.00				20.00
37	8	20	5.50				44.00
38	84	10	6.00	504.00			
39	613	12	3.00		1839.00		
40	4	20	10.40				41.60
41	49	12	6.00		294.00		
42	2835	10	1.07	3033.45			
43	795	10	1.05	834.75			

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Skupna dolzina		4792.20	2343.20	548.40	1535.50
kg / m		D10 0.633	D12 0.911	D16 1.621	D20 2.530
kg / profil		3033.463	2134.655	888.956	3884.815

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Skupna teza (kg)	9941.889
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Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-02

Projekt : VRTEC KAMNITNIK  
Element : Pl. nad pritlicjem - del A - arma. zg.  
St.nacrta : AR-N-02

M R E Z N A ARMATURA Jeklo: 500M						
Poz.	Kom	Tip	Dolzina	Sirina	Povrsina	Teza(kg)
1	84	Q424	6.00	2.20	1108.80	7462.224
2	2	Q424	6.00	1.10	13.20	88.836
3	2	Q424	6.00	1.55	18.60	125.178
4	1	Q424	6.00	1.30	7.80	52.494
5	21	Q424	4.50	2.20	207.90	1399.167
6	1	Q424	4.50	1.00	4.50	30.285
7	1	Q424	4.50	1.90	8.55	57.542
8	1	Q424	6.00	0.85	5.10	34.323
9	15	Q424	3.15	2.20	103.95	699.584
10	6	Q424	2.00	2.20	26.40	177.672
11	2	Q424	6.00	1.90	22.80	153.444
12	1	Q424	3.20	2.05	6.56	44.149
13	2	Q424	6.00	1.00	12.00	80.760
14	1	Q424	3.20	1.30	4.16	27.997
15	1	Q424	2.00	1.10	2.20	14.806
16	2	Q424	3.15	2.00	12.60	84.798
17	21	Q424	1.45	2.20	66.99	450.843
18	1	Q424	1.45	1.60	2.32	15.614

Skupna kolicina

Tip	A(m2)	kg/m2	Teza(kg)
Q424	1634.43	6.730	10999.714

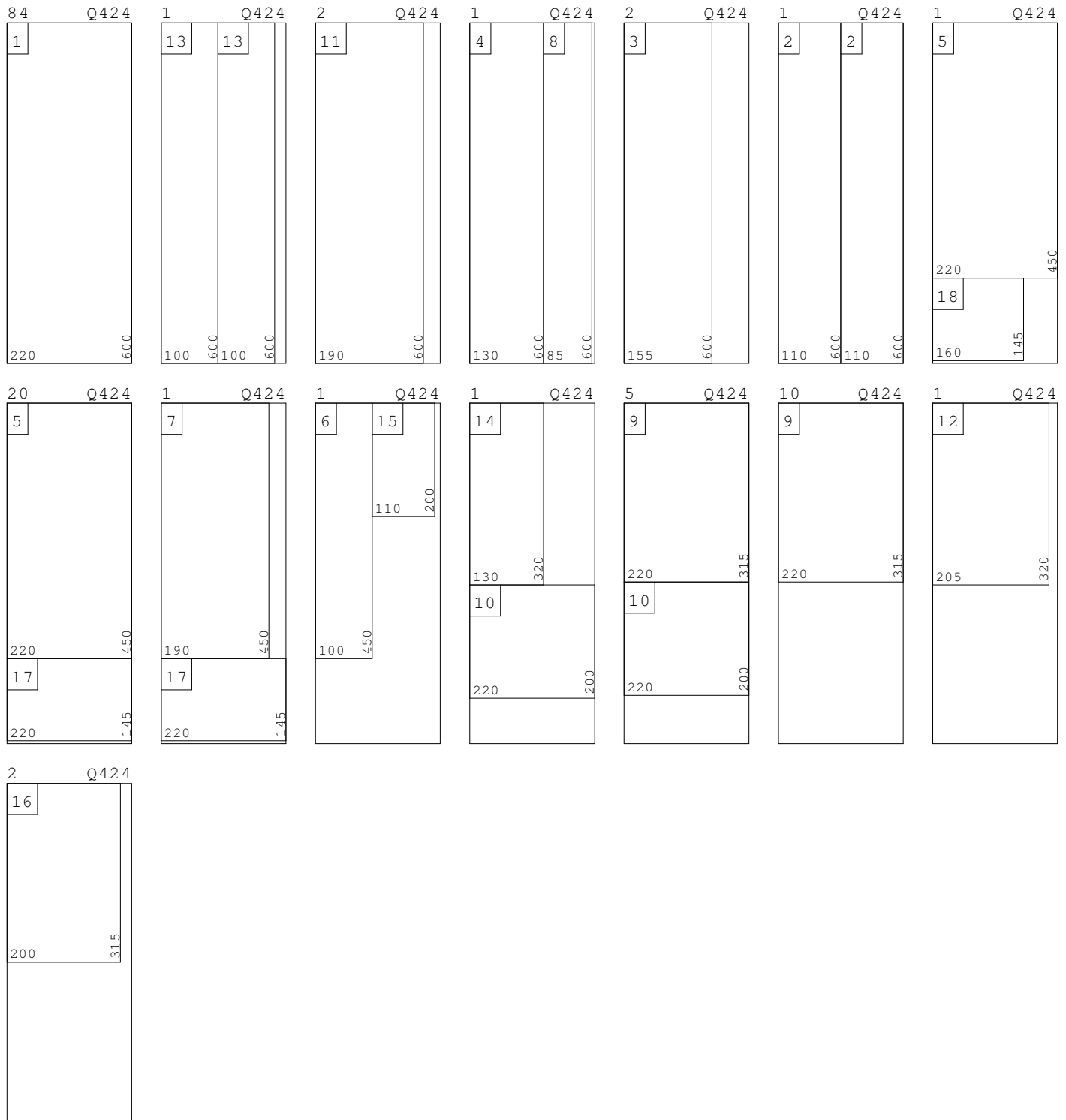
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Netto skupna teza (kg) 10999.714  
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Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-02

Projekt : VRTEC KAMNITNIK  
 Element : Pl. nad pritlicjem - del A - arma. zg.  
 St.nacrta : AR-N-02

R A Z R E Z M R E Z Jeklo: 500M



Brutto skupna kolicina

Kom	Tip	Dolzina m	Sirina m	Teza kg
133	Q424	6.00	2.20	11815.189
Brutto skupna teza (kg)				11815.189

Projekt: G-251-16 VRTEC KAMNITNIK

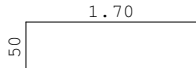
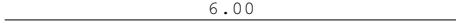
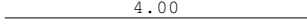
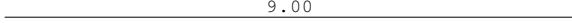
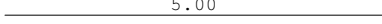
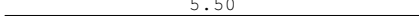
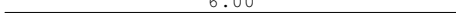
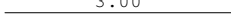
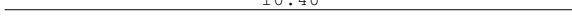
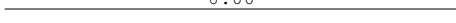
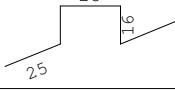
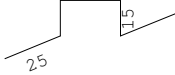
/ AR-N-02

Projekt : VRTEC KAMNITNIK  
 Element : Pl. nad pritlicjem - del A - arma. zg.  
 St.nacrta : AR-N-02

KRIVLJENJE PALIC Jeklo: 500S

Poz.	Kom.	fi	Dolz.	dbf fi	Tip	Oblika	Skupna dolz.	Teza kg
1	38	20	12.00		A1		456.00	1153.680
2	12	20	2.00		A1		24.00	60.720
3	2	20	11.45		A1		22.90	57.937
4	28	16	12.00		A1		336.00	544.656
5	4	16	2.15		A1		8.60	13.941
6	10	12	12.00		A1		120.00	109.320
7	2	12	1.90		A1		3.80	3.462
8	2	20	8.90		A1		17.80	45.034
9	10	20	3.80		A1		38.00	96.140
10	4	16	3.70		A1		14.80	23.991
11	2	12	3.20		A1		6.40	5.830
12	4	16	2.40		A1		9.60	15.562
13	2	12	2.15		A1		4.30	3.917
14	16	16	9.05		A1		144.80	234.721
15	8	12	9.05		A1		72.40	65.956
16	4	20	3.60		A1		14.40	36.432
17	8	20	5.00		A1		40.00	101.200
18	2	20	4.40		A1		8.80	22.264
19	2	20	8.35		A1		16.70	42.251
20	4	16	1.90		A1		7.60	12.320
21	2	12	1.65		A1		3.30	3.006
22	8	20	2.20		A1		17.60	44.528
23	2	20	4.65		A1		9.30	23.529
24	12	20	3.00		A1		36.00	91.080
25	2	20	2.50		A1		5.00	12.650
26	2	20	7.10		A1		14.20	35.926
27	4	20	4.00		A1		16.00	40.480
28	8	20	3.00		A2		24.00	60.720
29	2	20	6.70		A1		13.40	33.902
30	6	20	5.20		A1		31.20	78.936
31	17	20	3.40		A2		57.80	146.234

KRIVLJENJE PALIC

Poz.	Kom.	fi	Dolz.	dbr fi	Tip	Oblika	Skupna dolz.	Teza kg
32	34	20	2.20		A2		74.80	189.244
33	82	20	6.00		A1		492.00	1244.760
34	105	10	4.00		A1		420.00	265.860
35	3	16	9.00		A1		27.00	43.767
36	4	20	5.00		A1		20.00	50.600
37	8	20	5.50		A1		44.00	111.320
38	84	10	6.00		A1		504.00	319.032
39	613	12	3.00		A1		1839.00	1675.329
40	4	20	10.40		A1		41.60	105.248
41	49	12	6.00		A1		294.00	267.834
42	2835	10	1.07		D2		3033.45	1920.174
43	795	10	1.05		D2		834.75	528.397

Skupna teza (kg) 9941.889

Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-03

Projekt : VRTEC KAMNITNIK  
 Element : Pl. nad prit. - del A - nosilci in parapeti  
 St.nacrta : AR-N-03

P A L I C N A ARMATURA Jeklo: 500S

Poz.	Kom	fi	Dolzina	D8	D10	D12	D14	D16	D20
1	704	10	2.64		1858.56				
2	222	20	12.00						2664.00
3	154	20	2.40						369.60
4	442	8	0.54	238.68					
5	96	16	12.00					1152.00	
6	86	16	2.00					172.00	
7	268	12	12.00		3216.00				
8	222	12	1.65			366.30			
9	793	10	1.84		1459.12				
10	15	20	4.70						70.50
11	5	16	3.70					18.50	
12	6	12	3.20			19.20			
13	170	10	3.34		567.80				
14	170	10	1.74		295.80				
15	248	10	2.36		585.28				
16	380	12	2.70			1026.00			
17	14	12	3.25			45.50			
18	235	8	1.12	263.20					
19	6	14	12.00					72.00	
20	2	14	3.40					6.80	
21	2	14	1.75					3.50	
22	2	14	9.00					18.00	
23	90	10	1.24		111.60				

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Skupna dolzina		501.88		4673.00		1342.50	
kg / m		D8 0.405		D12 0.911		D16 1.621	
kg / profil		203.261		4257.103		2176.193	

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Skupna dolzina		4878.16		100.30		3104.10	
kg / m		D10 0.633		D14 1.242		D20 2.530	
kg / profil		3087.875		124.573		7853.373	

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Skupna teza (kg) 17702.378

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Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-03

Projekt : VRTEC KAMNITNIK  
 Element : Pl. nad prit. - del A - nosilci in parapeti  
 St.nacrta : AR-N-03

KRIVLJENJE PALIC Jeklo: 500S

Poz.	Kom.	fi	Dolz.	dbr fi	Tip	Oblika	Skupna dolz.	Teza kg
1	704	10	2.64		B1	1.08 Kljuka=10.0	1858.56	1176.469
2	222	20	12.00		A1	12.00	2664.00	6739.920
3	154	20	2.40		A1	2.40	369.60	935.088
4	442	8	0.54		A3	20 1.4 Kljuka=10.0	238.68	96.665
5	96	16	12.00		A1	12.00	1152.00	1867.392
6	86	16	2.00		A1	2.00	172.00	278.812
7	268	12	12.00		A1	12.00	3216.00	2929.776
8	222	12	1.65		A1	1.65	366.30	333.699
9	793	10	1.84		B1	68 Kljuka=10.0	1459.12	923.623
10	15	20	4.70		A1	4.70	70.50	178.365
11	5	16	3.70		A1	3.70	18.50	29.989
12	6	12	3.20		A1	3.20	19.20	17.491
13	170	10	3.34		A3	1.60 Kljuka=10.0	567.80	359.417
14	170	10	1.74		A3	80 1.4 Kljuka=10.0	295.80	187.241
15	248	10	2.36		B1	94 Kljuka=10.0	585.28	370.482
16	380	12	2.70		B1	1.09 Kljuka=12.0	1026.00	934.686
17	14	12	3.25		A1	3.25	45.50	41.451
18	235	8	1.12		B1	34 Kljuka= 8.0	263.20	106.596
19	6	14	12.00		A1	12.00	72.00	89.424
20	2	14	3.40		A1	3.40	6.80	8.446
21	2	14	1.75		A1	1.75	3.50	4.347
22	2	14	9.00		A1	9.00	18.00	22.356
23	90	10	1.24		B1	38 Kljuka=10.0	111.60	70.643

Skupna teza (kg) 17702.378

Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-04

Projekt : VRTEC KAMNITNIK  
 Element : Pl. nad pritlicjem - del B - arma. sp.  
 St.nacrta : AR-N-04

P A L I C N A ARMATURA Jeklo: 500S

Poz.	Kom	fi	Dolzina	D8	D10	D12	D16	D20
1	176	12	1.99			350.24		
2	734	12	2.59			1901.06		
3	594	12	2.58			1532.52		
4	518	12	1.90			984.20		
5	126	12	2.00			252.00		
6	58	10	1.98		114.84			
7	220	10	1.78		391.60			
8	222	12	1.98			439.56		
9	127	12	2.13			270.51		
10	402	12	1.93			775.86		
11	119	12	1.50			178.50		
12	199	12	2.73			543.27		
13	179	12	2.30			411.70		
14	38	20	12.00					456.00
15	3	20	8.20					24.60
16	3	20	5.65					16.95
17	3	20	7.35					22.05
18	2	20	9.35					18.70
19	2	20	3.65					7.30
20	2	20	11.60					23.20
21	6	20	9.00					54.00
22	2	20	6.00					12.00
23	2	20	8.15					16.30
24	6	20	2.00					12.00
25	8	20	2.20					17.60
26	2	20	2.60					5.20
27	18	16	12.00				216.00	
28	4	16	2.40				9.60	
29	8	16	9.05				72.40	
30	4	16	2.20				8.80	
31	4	16	1.95				7.80	
32	4	16	4.00				16.00	
33	4	16	2.60				10.40	
34	4	16	2.35				9.40	
35	4	16	7.50				30.00	
36	6	16	1.90				11.40	
37	6	16	2.00				12.00	
38	6	12	12.00			72.00		
39	2	12	1.70			3.40		
40	2	12	4.00			8.00		
41	2	12	7.50			15.00		
42	1	16	2.35				2.35	
43	1	16	2.60				2.60	
44	1	16	6.70				6.70	
45	2	16	3.75				7.50	
46	2	12	2.15			4.30		
47	2	12	9.15			18.30		
48	2	12	1.95			3.90		
49	2	12	9.05			18.10		
50	3	16	12.00				36.00	
51	3	16	8.27				24.81	
52	1	16	12.00				12.00	
53	1	16	7.91				7.91	
54	3	16	12.00				36.00	
55	3	16	7.66				22.98	
56	6	20	3.40					20.40
57	12	20	2.20					26.40
58	4	20	3.00					12.00
59	2	20	7.10					14.20
60	4	20	4.00					16.00
61	158	10	1.79		282.82			
62	10	20	3.50					35.00
63	6	20	3.00					18.00
64	4	20	2.50					10.00
65	6	10	1.39		8.34			
66	5	10	0.86		4.30			
67	2	20	2.80					5.60

Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-04

P A L I C N A ARMATURA Jeklo: 500S

Poz.	Kom	fi	Dolzina	D8	D10	D12	D16	D20
68	65	8	12.00	780.00				
69	67	10	12.00		804.00			
70	35	10	3.00		105.00			
71	81	10	5.00		405.00			
-----								
Skupna dolzina			780.00	2115.90	7782.42	562.65	843.50	
kg / m			D8 0.405	D10 0.633	D12 0.911	D16 1.621	D20 2.530	
kg / profil			315.900	1339.365	7089.785	912.056	2134.055	
-----								
Skupna teza (kg)			11791.161					
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Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-04

Projekt : VRTEC KAMNITNIK  
 Element : Pl. nad pritlicjem - del B - arma. sp.  
 St.nacrta : AR-N-04

M R E Z N A ARMATURA Jeklo: 500M						
Poz.	Kom	Tip	Dolzina	Sirina	Povrsina	Teza(kg)
1	81	Q503	6.00	2.20	1069.20	8446.680
2	4	Q503	6.00	1.10	26.40	208.560
3	1	Q503	6.00	1.30	7.80	61.620
4	1	Q503	4.10	1.30	5.33	42.107
5	7	Q503	4.10	2.20	63.14	498.806
6	1	Q503	1.50	1.00	1.50	11.850
7	7	Q503	1.50	2.20	23.10	182.490
8	2	Q503	6.00	1.45	17.40	137.460
9	1	Q503	6.00	0.90	5.40	42.660
10	1	Q503	3.25	0.90	2.93	23.108
11	7	Q503	3.25	2.20	50.05	395.395
12	2	Q503	3.15	2.00	12.60	99.540
13	2	Q503	3.15	2.20	13.86	109.494
14	3	Q503	2.00	2.20	13.20	104.280
15	1	Q503	2.00	1.10	2.20	17.380
16	7	Q503	3.35	2.20	51.59	407.561
17	1	Q503	3.35	1.60	5.36	42.344
18	3	Q503	1.55	2.20	10.23	80.817
19	1	Q503	1.55	1.10	1.71	13.470
20	23	Q785	6.00	2.20	303.60	3782.856
21	2	Q785	6.00	2.15	25.80	321.468
22	1	Q785	6.00	1.10	6.60	82.236
23	7	Q785	5.35	2.20	82.39	1026.579
24	1	Q785	5.35	1.55	8.29	103.325
25	1	Q785	1.55	1.10	1.71	21.244
26	3	Q785	1.55	2.20	10.23	127.466

Skupna kolicina

Tip	A(m2)	kg/m2	Teza(kg)
Q503	1382.99	7.900	10925.621
Q785	438.62	12.460	5465.174

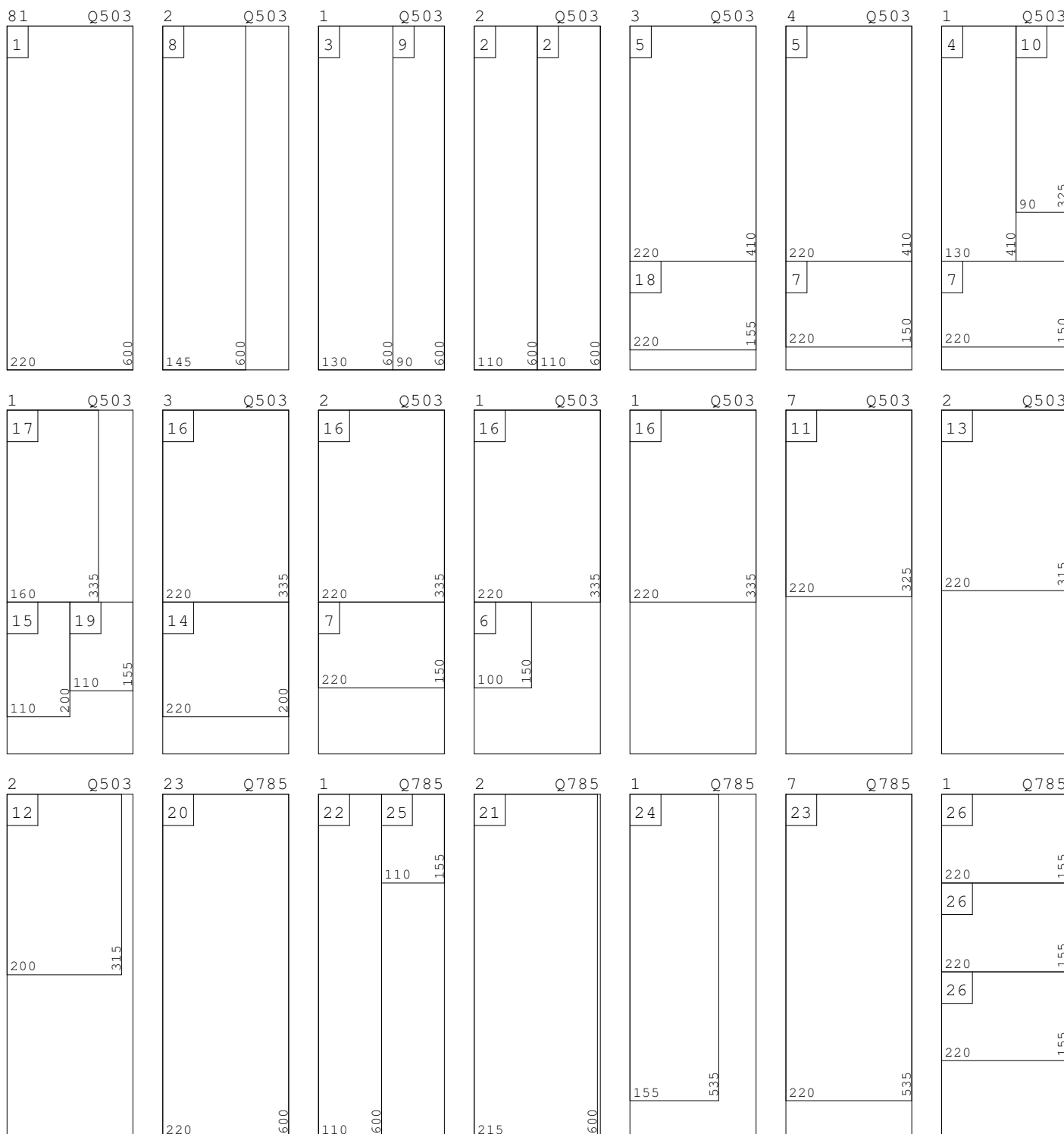
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Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-04

Projekt : VRTEC KAMNITNIK  
 Element : Pl. nad pritlicjem - del B - arma. sp.  
 St.nacrta : AR-N-04

R A Z R E Z M R E Z Jeklo: 500M



Brutto skupna kolicina

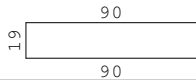
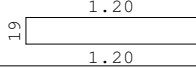
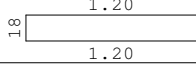
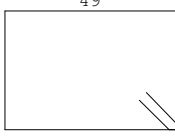
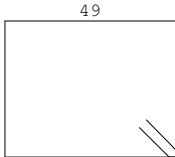
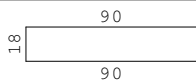
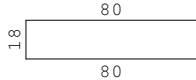
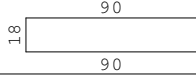
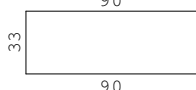
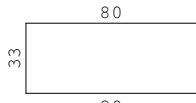
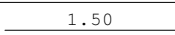
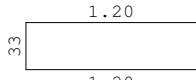
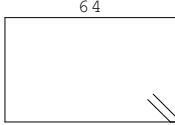
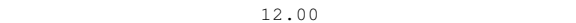
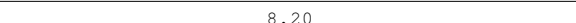
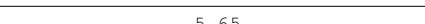
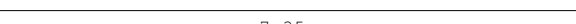



Kom	Tip	Dolzina m	Sirina m	Teza kg
113	Q503	6.00	2.20	11783.640
35	Q785	6.00	2.20	5756.520
Brutto skupna teza (kg)				17540.160

Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-04

Projekt : VRTEC KAMNITNIK  
 Element : Pl. nad pritlicjem - del B - arma. sp.  
 St.nacrta : AR-N-04

KRIVLJENJE PALIC Jeklo: 500S

Poz.	Kom.	fi	Dolz.	dbf fi	Tip	Oblika	Skupna dolz.	Teza kg
1	176	12	1.99		A3		350.24	319.069
2	734	12	2.59		A3		1901.06	1731.866
3	594	12	2.58		A3		1532.52	1396.126
4	518	12	1.90		B1	 Kljuka=12.0	984.20	896.606
5	126	12	2.00		B1	 Kljuka=12.0	252.00	229.572
6	58	10	1.98		A3		114.84	72.694
7	220	10	1.78		A3		391.60	247.883
8	222	12	1.98		A3		439.56	400.439
9	127	12	2.13		A3		270.51	246.435
10	402	12	1.93		A3		775.86	706.808
11	119	12	1.50		A1		178.50	162.614
12	199	12	2.73		A3		543.27	494.919
13	179	12	2.30		B1	 Kljuka=12.0	411.70	375.059
14	38	20	12.00		A1		456.00	1153.680
15	3	20	8.20		A1		24.60	62.238
16	3	20	5.65		A1		16.95	42.883
17	3	20	7.35		A1		22.05	55.786
18	2	20	9.35		A1		18.70	47.311
19	2	20	3.65		A1		7.30	18.469
20	2	20	11.60		A1		23.20	58.696

Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-04

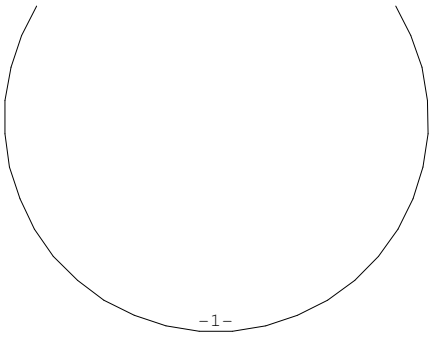
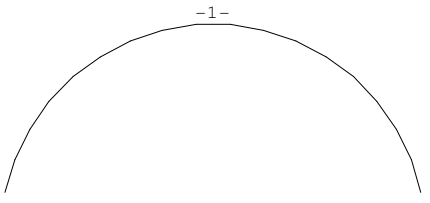
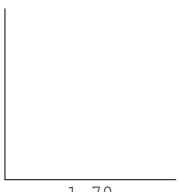
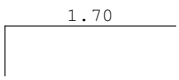

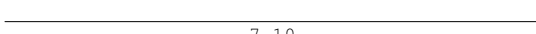

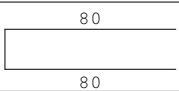
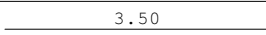
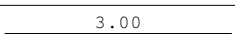
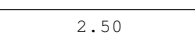
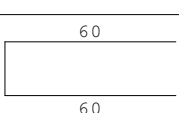
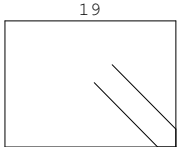
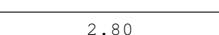
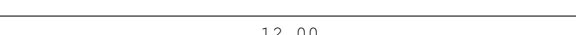
KRIVLJENJE PALIC

Poz.	Kom.	fi	Dolz.	dbr fi	Tip	Oblika	Skupna dolz.	Teza kg
21	6	20	9.00		A1	9.00	54.00	136.620
22	2	20	6.00		A1	6.00	12.00	30.360
23	2	20	8.15		A1	8.15	16.30	41.239
24	6	20	2.00		A1	2.00	12.00	30.360
25	8	20	2.20		A1	2.20	17.60	44.528
26	2	20	2.60		A1	2.60	5.20	13.156
27	18	16	12.00		A1	12.00	216.00	350.136
28	4	16	2.40		A1	2.40	9.60	15.562
29	8	16	9.05		A1	9.05	72.40	117.360
30	4	16	2.20		A1	2.20	8.80	14.265
31	4	16	1.95		A1	1.95	7.80	12.644
32	4	16	4.00		A1	4.00	16.00	25.936
33	4	16	2.60		A1	2.60	10.40	16.858
34	4	16	2.35		A1	2.35	9.40	15.237
35	4	16	7.50		A1	7.50	30.00	48.630
36	6	16	1.90		A1	1.90	11.40	18.479
37	6	16	2.00		A1	2.00	12.00	19.452
38	6	12	12.00		A1	12.00	72.00	65.592
39	2	12	1.70		A1	1.70	3.40	3.097
40	2	12	4.00		A1	4.00	8.00	7.288
41	2	12	7.50		A1	7.50	15.00	13.665
42	1	16	2.35		A1	2.35	2.35	3.809
43	1	16	2.60		A1	2.60	2.60	4.215
44	1	16	6.70		A1	6.70	6.70	10.861
45	2	16	3.75		A1	3.75	7.50	12.158
46	2	12	2.15		A1	2.15	4.30	3.917
47	2	12	9.15		A1	9.15	18.30	16.671
48	2	12	1.95		A1	1.95	3.90	3.553
49	2	12	9.05		A1	9.05	18.10	16.489

KRIVLJENJE PALIC

Poz.	Kom.	fi	Dolz.	dbr fi	Tip	Oblika	Skupna dolz.	Teza kg
50	3	16	12.00		X1	<p style="text-align: center;">-1-</p> <p style="text-align: center;">st.    dx    dy    l    &gt;°    r    Sehne    ab                      1    -5.12    0.00    12.00    0    2.91    5.12    4.28</p>	36.00	58.356
51	3	16	8.27		X1	<p style="text-align: center;">-1-</p> <p style="text-align: center;">st.    dx    dy    l    &gt;°    r    Sehne    ab                      1    5.75    -0.00    8.27    0    2.91    5.75    2.48</p>	24.81	40.217
52	1	16	12.00		X1	<p style="text-align: center;">-1-</p> <p style="text-align: center;">st.    dx    dy    l    &gt;°    r    Sehne    ab                      1    -4.91    0.00    12.00    0    2.85    4.91    4.30</p>	12.00	19.452
53	1	16	7.91		X1	<p style="text-align: center;">-1-</p> <p style="text-align: center;">st.    dx    dy    l    &gt;°    r    Sehne    ab                      1    5.60    0.00    7.91    0    2.85    5.60    2.33</p>	7.91	12.822

KRIVLJENJE PALIC

Poz.	Kom.	fi	Dolz.	dbr fi	Tip	Oblika	Skupna dolz.	Teza kg
54	3	16	12.00		X1	 <p style="text-align: center;">-1-</p> <p>st. 1    dx 4.75    dy -0.00    l 12.00    &gt;° 0    r 2.81    Sehne 4.75    ab 4.31</p>	36.00	58.356
55	3	16	7.66		X1	 <p style="text-align: center;">-1-</p> <p>st. 1    dx -5.50    dy 0.00    l 7.66    &gt;° 0    r 2.81    Sehne 5.50    ab 2.23</p>	22.98	37.251
56	6	20	3.40		A2		20.40	51.612
57	12	20	2.20		A2		26.40	66.792
58	4	20	3.00		A2		12.00	30.360
59	2	20	7.10		A1		14.20	35.926
60	4	20	4.00		A1		16.00	40.480
61	158	10	1.79		A3		282.82	179.025
62	10	20	3.50		A1		35.00	88.550
63	6	20	3.00		A1		18.00	45.540
64	4	20	2.50		A1		10.00	25.300
65	6	10	1.39		A3		8.34	5.279
66	5	10	0.86		B1	 <p style="text-align: right;">Kljuka=10.0</p>	4.30	2.722
67	2	20	2.80		A1		5.60	14.168
68	65	8	12.00		A1		780.00	315.900

Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-04

KRIVLJENJE PALIC

Poz.	Kom.	fi	Dolz.	dbr fi	Tip	Oblika	Skupna dolz.	Teza kg
69	67	10	12.00		A1	_____ 12.00 _____	804.00	508.932
70	35	10	3.00		A1	_____ 3.00 _____	105.00	66.465
71	81	10	5.00		A1	_____ 5.00 _____	405.00	256.365

Skupna teza (kg) 11791.160

Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-05

Projekt : VRTEC KAMNITNIK  
 Element : Pl. nad pritlicjem - del B - arma. zg.  
 St.nacrta : AR-N-05

P A L I C N A ARMATURA Jeklo: 500S

Poz.	Kom	fi	Dolzina	D10	D12	D16	D20
1	15	20	12.00				180.00
2	2	20	8.20				16.40
3	2	20	5.65				11.30
4	2	20	7.35				14.70
5	2	20	9.35				18.70
6	2	20	3.65				7.30
7	2	20	11.60				23.20
8	8	20	9.00				72.00
9	40	20	6.00				240.00
10	2	20	8.15				16.30
11	6	20	2.00				12.00
12	8	20	2.20				17.60
13	2	20	2.60				5.20
14	18	16	12.00			216.00	
15	4	16	2.40			9.60	
16	8	16	9.05			72.40	
17	4	16	2.20			8.80	
18	4	16	1.95			7.80	
19	14	16	4.00			56.00	
20	4	16	2.60			10.40	
21	4	16	2.35			9.40	
22	4	16	7.50			30.00	
23	6	16	1.90			11.40	
24	6	12	12.00		72.00		
25	2	12	1.70		3.40		
26	163	12	4.00		652.00		
27	2	12	7.50		15.00		
28	1	16	2.35			2.35	
29	1	16	2.60			2.60	
30	1	16	6.70			6.70	
31	2	16	3.75			7.50	
32	2	12	2.15		4.30		
33	2	12	9.15		18.30		
34	2	12	1.95		3.90		
35	2	12	9.05		18.10		
36	6	16	2.00			12.00	
37	4	20	4.00				16.00
38	3	12	12.00		36.00		
39	3	12	8.27		24.81		
40	3	12	12.00		36.00		
41	3	12	7.66		22.98		
42	6	20	3.40				20.40
43	12	20	2.20				26.40
44	4	20	3.00				12.00
45	2	20	7.10				14.20
46	10	20	3.50				35.00
47	6	20	3.00				18.00
48	4	20	2.50				10.00
49	2	20	2.80				5.60
50	161	12	2.00		322.00		
51	8	16	6.00			48.00	
52	161	12	3.00		483.00		
53	1365	10	1.07	1460.55			
54	630	10	1.05	661.50			
55	870	12	1.35		1174.50		

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 Skupna dolzina 2122.05 2886.29 510.95 792.30  
 kg / m D10 0.633 D12 0.911 D16 1.621 D20 2.530  
 kg / profil 1343.258 2629.410 828.250 2004.519  
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Skupna teza (kg) 6805.437  
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Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-05

Projekt : VRTEC KAMNITNIK  
 Element : Pl. nad pritlicjem - del B - arma. zg.  
 St.nacrta : AR-N-05

M R E Z N A ARMATURA Jeklo: 500M						
Poz.	Kom	Tip	Dolzina	Sirina	Povrsina	Teza(kg)
1	81	Q424	6.00	2.20	1069.20	7195.716
2	2	Q424	6.00	1.45	17.40	117.102
3	1	Q424	6.00	1.30	7.80	52.494
4	1	Q424	4.10	1.30	5.33	35.871
5	7	Q424	4.10	2.20	63.14	424.932
6	1	Q424	1.50	1.00	1.50	10.095
7	2	Q424	3.15	2.00	12.60	84.798
8	7	Q424	3.25	2.20	50.05	336.837
9	1	Q424	6.00	0.90	5.40	36.342
10	1	Q424	3.25	0.90	2.93	19.685
11	2	Q424	3.15	2.20	13.86	93.278
12	1	Q424	2.00	1.10	2.20	14.806
13	4	Q424	6.00	1.10	26.40	177.672
14	3	Q424	2.00	2.20	13.20	88.836
15	7	Q424	3.35	2.20	51.59	347.201
16	1	Q424	3.35	1.60	5.36	36.073
17	10	Q424	1.55	2.20	34.10	229.493
18	1	Q424	1.55	1.10	1.71	11.475
19	25	Q636	6.00	2.20	330.00	3293.400
20	1	Q636	6.00	1.10	6.60	65.868
21	1	Q636	5.35	1.55	8.29	82.759
22	3	Q636	1.55	2.20	10.23	102.095
23	7	Q636	5.35	2.20	82.39	822.252
24	1	Q636	1.55	1.10	1.71	17.016

Skupna kolicina

Tip	A(m2)	kg/m2	Teza(kg)
Q424	1383.76	6.730	9312.705
Q636	439.22	9.980	4383.390

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 Netto skupna teza (kg) 13696.095  
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Projekt: G-251-16 VRTEC KAMNITNIK

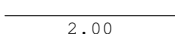
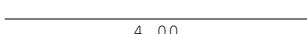
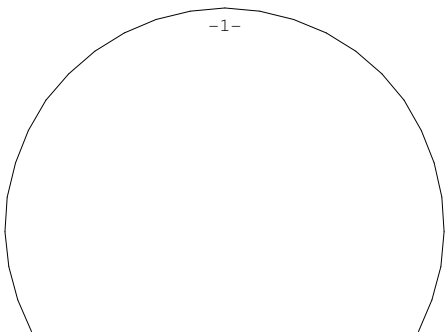
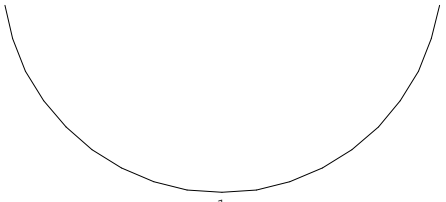
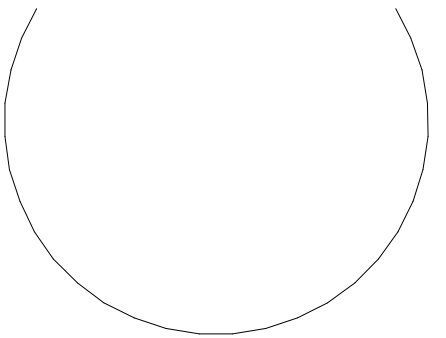
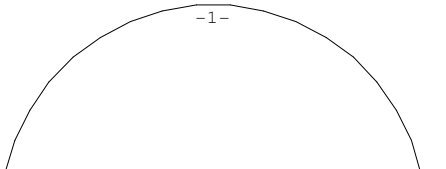

/ AR-N-05

Projekt : VRTEC KAMNITNIK  
Element : Pl. nad pritlicjem - del B - arma. zg.  
St.nacrta : AR-N-05

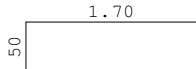
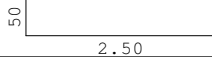
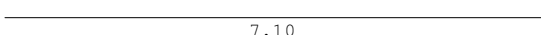
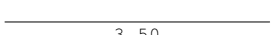


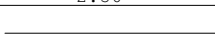
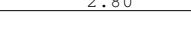


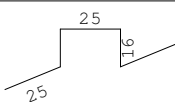
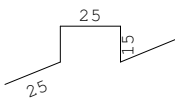
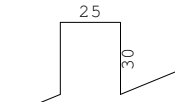
KRIVLJENJE PALIC Jeklo: 500S

Poz.	Kom.	fi	Dolz.	dbr fi	Tip	Oblika	Skupna dolz.	Teza kg
1	15	20	12.00		A1	_____12.00_____	180.00	455.400
2	2	20	8.20		A1	_____8.20_____	16.40	41.492
3	2	20	5.65		A1	_____5.65_____	11.30	28.589
4	2	20	7.35		A1	_____7.35_____	14.70	37.191
5	2	20	9.35		A1	_____9.35_____	18.70	47.311
6	2	20	3.65		A1	_____3.65_____	7.30	18.469
7	2	20	11.60		A1	_____11.60_____	23.20	58.696
8	8	20	9.00		A1	_____9.00_____	72.00	182.160
9	40	20	6.00		A1	_____6.00_____	240.00	607.200
10	2	20	8.15		A1	_____8.15_____	16.30	41.239
11	6	20	2.00		A1	_____2.00_____	12.00	30.360
12	8	20	2.20		A1	_____2.20_____	17.60	44.528
13	2	20	2.60		A1	_____2.60_____	5.20	13.156
14	18	16	12.00		A1	_____12.00_____	216.00	350.136
15	4	16	2.40		A1	_____2.40_____	9.60	15.562
16	8	16	9.05		A1	_____9.05_____	72.40	117.360
17	4	16	2.20		A1	_____2.20_____	8.80	14.265
18	4	16	1.95		A1	_____1.95_____	7.80	12.644
19	14	16	4.00		A1	_____4.00_____	56.00	90.776
20	4	16	2.60		A1	_____2.60_____	10.40	16.858
21	4	16	2.35		A1	_____2.35_____	9.40	15.237
22	4	16	7.50		A1	_____7.50_____	30.00	48.630
23	6	16	1.90		A1	_____1.90_____	11.40	18.479
24	6	12	12.00		A1	_____12.00_____	72.00	65.592
25	2	12	1.70		A1	_____1.70_____	3.40	3.097
26	163	12	4.00		A1	_____4.00_____	652.00	593.972
27	2	12	7.50		A1	_____7.50_____	15.00	13.665
28	1	16	2.35		A1	_____2.35_____	2.35	3.809
29	1	16	2.60		A1	_____2.60_____	2.60	4.215
30	1	16	6.70		A1	_____6.70_____	6.70	10.861
31	2	16	3.75		A1	_____3.75_____	7.50	12.158
32	2	12	2.15		A1	_____2.15_____	4.30	3.917
33	2	12	9.15		A1	_____9.15_____	18.30	16.671
34	2	12	1.95		A1	_____1.95_____	3.90	3.553
35	2	12	9.05		A1	_____9.05_____	18.10	16.489

KRIVLJENJE PALIC

Poz.	Kom.	fi	Dolz.	dbr fi	Tip	Oblika	Skupna dolz.	Teza kg
36	6	16	2.00		A1	 2.00	12.00	19.452
37	4	20	4.00		A1	 4.00	16.00	40.480
38	3	12	12.00		X1	 -1- st. 1 dx -5.12 dy 0.00 l 12.00 >° 0 r 2.91 Sehne 5.12 ab 4.28	36.00	32.796
39	3	12	8.27		X1	 -1- st. 1 dx 5.75 dy -0.00 l 8.27 >° 0 r 2.91 Sehne 5.75 ab 2.48	24.81	22.602
40	3	12	12.00		X1	 -1- st. 1 dx 4.75 dy -0.00 l 12.00 >° 0 r 2.81 Sehne 4.75 ab 4.31	36.00	32.796
41	3	12	7.66		X1	 -1- st. 1 dx -5.50 dy 0.00 l 7.66 >° 0 r 2.81 Sehne 5.50 ab 2.23	22.98	20.935
42	6	20	3.40		A2	 1.70 1.70	20.40	51.612

KRIVLJENJE PALIC

Poz.	Kom.	fi	Dolz.	dbr fi	Tip	Oblika	Skupna dolz.	Teza kg
43	12	20	2.20		A2		26.40	66.792
44	4	20	3.00		A2		12.00	30.360
45	2	20	7.10		A1		14.20	35.926
46	10	20	3.50		A1		35.00	88.550
47	6	20	3.00		A1		18.00	45.540
48	4	20	2.50		A1		10.00	25.300
49	2	20	2.80		A1		5.60	14.168
50	161	12	2.00		A1		322.00	293.342
51	8	16	6.00		A1		48.00	77.808
52	161	12	3.00		A1		483.00	440.013
53	1365	10	1.07		D2		1460.55	924.528
54	630	10	1.05		D2		661.50	418.730
55	870	12	1.35		D2		1174.50	1069.970

Skupna teza (kg) 6805.437

Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-06

Projekt : VRTEC KAMNITNIK  
 Element : Pl. nad prit. - del B - nosilci in parapeti  
 St.nacrta : AR-N-06

P A L I C N A ARMATURA Jeklo: 500S

Poz.	Kom	fi	Dolzina	D8	D10	D12	D14	D16	D20
1	593	12	2.18			1292.74			
2	88	20	12.00						1056.00
3	24	20	8.85						212.40
4	282	8	0.54	152.28					
5	43	16	12.00					516.00	
6	15	16	8.35					125.25	
7	104	12	12.00			1248.00			
8	30	12	8.10			243.00			
9	8	20	3.85						30.80
10	5	16	3.35					16.75	
11	10	12	3.10			31.00			
12	8	20	4.45						35.60
13	5	16	3.95					19.75	
14	10	12	3.70			37.00			
15	92	12	1.88			172.96			
16	8	20	8.90						71.20
17	5	16	8.90					44.50	
18	6	12	8.90			53.40			
19	176	10	2.64		464.64				
20	48	20	2.40						115.20
21	18	16	2.00					36.00	
22	48	12	1.65			79.20			
23	40	12	2.08			83.20			
24	8	20	6.10						48.80
25	5	16	6.10					30.50	
26	16	12	6.10			97.60			
27	126	12	2.70			340.20			
28	222	8	1.32	293.04					
29	127	8	1.62	205.74					
30	81	8	1.42	115.02					
31	16	14	12.00				192.00		
32	3	14	5.10				15.30		
33	2	14	5.55				11.10		
34	3	14	3.55				10.65		
35	64	8	1.12	71.68					
36	58	8	1.32	76.56					
37	2	14	1.80				3.60		
38	3	14	9.15				27.45		
39	124	10	2.36		292.64				
40	90	10	1.24		111.60				
41	98	10	1.74		170.52				
42	7	20	2.10						14.70
43	3	16	2.10					6.30	
44	4	12	2.10				8.40		
45	175	10	1.76		308.00				
46	1	16	12.00					12.00	
47	1	16	8.27					8.27	
48	1	16	12.00					12.00	
49	1	16	7.91					7.91	
50	1	16	12.00					12.00	
51	1	16	7.66					7.66	
52	8	20	4.30						34.40
53	5	16	10.50					52.50	
54	41	12	1.48			60.68			
55	6	12	4.30			25.80			
56	8	20	7.00						56.00

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 Skupna dolzina 914.32 3773.18 907.39  
 kg / m D8 0.405 D12 0.911 D16 1.621  
 kg / profil 370.300 3437.367 1470.879  
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Skupna dolzina 1347.40 260.10 1675.10  
 kg / m D10 0.633 D14 1.242 D20 2.530  
 kg / profil 852.904 323.044 4238.003  
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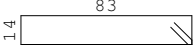
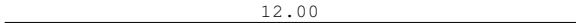
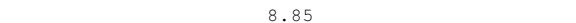
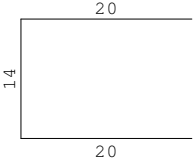
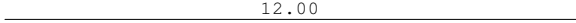
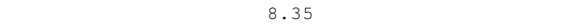

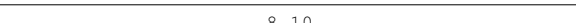
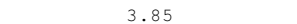
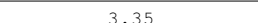
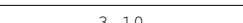
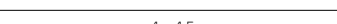


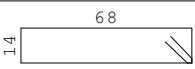
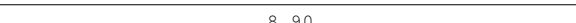
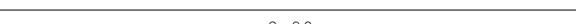

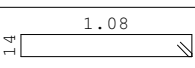
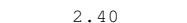
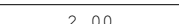
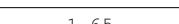
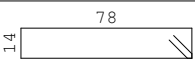
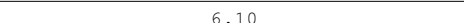
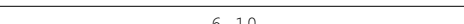
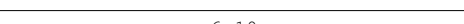
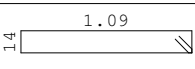
Skupna teza (kg) 10692.497  
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Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-N-06

Projekt : VRTEC KAMNITNIK  
Element : Pl. nad prit. - del B - nosilci in parapeti  
St.nacrta : AR-N-06

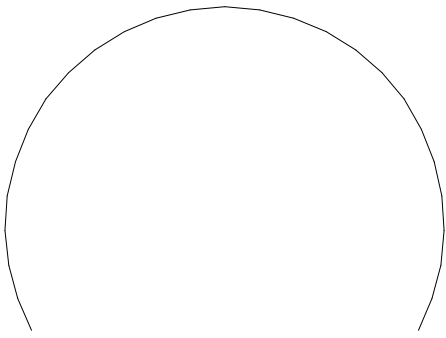
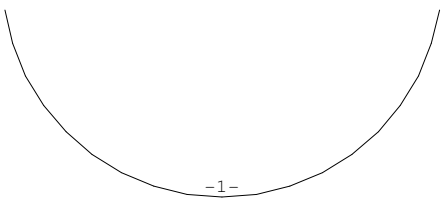
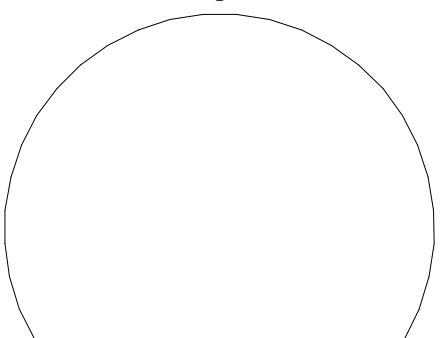
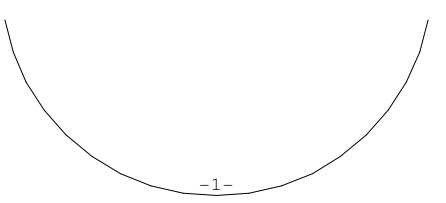
KRIVLJENJE PALIC Jeklo: 500S

Poz.	Kom.	fi	Dolz.	dbr fi	Tip	Oblika	Skupna dolz.	Teza kg
1	593	12	2.18		B1	 Kljuka=12.0	1292.74	1177.686
2	88	20	12.00		A1	 12.00	1056.00	2671.680
3	24	20	8.85		A1	 8.85	212.40	537.372
4	282	8	0.54		A3	 20	152.28	61.673
5	43	16	12.00		A1	 12.00	516.00	836.436
6	15	16	8.35		A1	 8.35	125.25	203.030
7	104	12	12.00		A1	 12.00	1248.00	1136.928
8	30	12	8.10		A1	 8.10	243.00	221.373
9	8	20	3.85		A1	 3.85	30.80	77.924
10	5	16	3.35		A1	 3.35	16.75	27.152
11	10	12	3.10		A1	 3.10	31.00	28.241
12	8	20	4.45		A1	 4.45	35.60	90.068
13	5	16	3.95		A1	 3.95	19.75	32.015
14	10	12	3.70		A1	 3.70	37.00	33.707
15	92	12	1.88		B1	 Kljuka=12.0	172.96	157.567
16	8	20	8.90		A1	 8.90	71.20	180.136
17	5	16	8.90		A1	 8.90	44.50	72.135
18	6	12	8.90		A1	 8.90	53.40	48.647
19	176	10	2.64		B1	 Kljuka=10.0	464.64	294.117
20	48	20	2.40		A1	 2.40	115.20	291.456
21	18	16	2.00		A1	 2.00	36.00	58.356
22	48	12	1.65		A1	 1.65	79.20	72.151
23	40	12	2.08		B1	 Kljuka=12.0	83.20	75.795
24	8	20	6.10		A1	 6.10	48.80	123.464
25	5	16	6.10		A1	 6.10	30.50	49.441
26	16	12	6.10		A1	 6.10	97.60	88.914
27	126	12	2.70		B1	 Kljuka=12.0	340.20	309.922

KRIVLJENJE PALIC

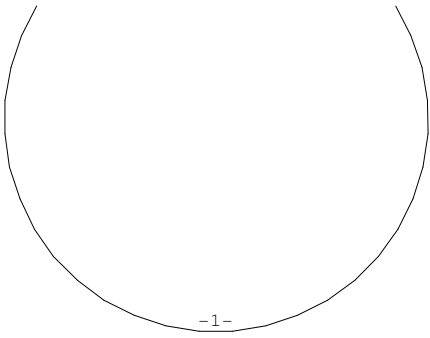
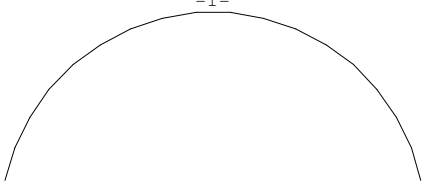
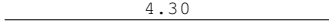
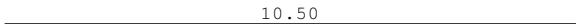
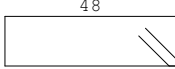
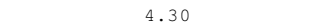
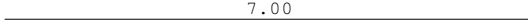
Poz.	Kom.	fi	Dolz.	dbr fi	Tip	Oblika	Skupna dolz.	Teza kg
28	222	8	1.32		B1	Kljuka= 8.0	293.04	118.681
29	127	8	1.62		B1	Kljuka= 8.0	205.74	83.325
30	81	8	1.42		B1	Kljuka= 8.0	115.02	46.583
31	16	14	12.00		A1	12.00	192.00	238.464
32	3	14	5.10		A1	5.10	15.30	19.003
33	2	14	5.55		A1	5.55	11.10	13.786
34	3	14	3.55		A1	3.55	10.65	13.227
35	64	8	1.12		B1	Kljuka= 8.0	71.68	29.030
36	58	8	1.32		B1	Kljuka= 8.0	76.56	31.007
37	2	14	1.80		A1	1.80	3.60	4.471
38	3	14	9.15		A1	9.15	27.45	34.093
39	124	10	2.36		B1	Kljuka=10.0	292.64	185.241
40	90	10	1.24		B1	Kljuka=10.0	111.60	70.643
41	98	10	1.74		B1	Kljuka=10.0	170.52	107.939
42	7	20	2.10		A1	2.10	14.70	37.191
43	3	16	2.10		A1	2.10	6.30	10.212
44	4	12	2.10		A1	2.10	8.40	7.652
45	175	10	1.76		B1	Kljuka=10.0	308.00	194.964

KRIVLJENJE PALIC

Poz.	Kom.	fi	Dolz.	dbr fi	Tip	Oblika	Skupna dolz.	Teza kg
46	1	16	12.00		X1	<p style="text-align: center;">-1-</p>  <p style="text-align: center;">st.    dx    dy    l    &gt;°    r    Sehne    ab                      1    -5.12    0.00    12.00    0    2.91    5.12    4.28</p>	12.00	19.452
47	1	16	8.27		X1	<p style="text-align: center;">-1-</p>  <p style="text-align: center;">st.    dx    dy    l    &gt;°    r    Sehne    ab                      1    5.75    -0.00    8.27    0    2.91    5.75    2.48</p>	8.27	13.406
48	1	16	12.00		X1	<p style="text-align: center;">-1-</p>  <p style="text-align: center;">st.    dx    dy    l    &gt;°    r    Sehne    ab                      1    -4.91    0.00    12.00    0    2.85    4.91    4.30</p>	12.00	19.452
49	1	16	7.91		X1	<p style="text-align: center;">-1-</p>  <p style="text-align: center;">st.    dx    dy    l    &gt;°    r    Sehne    ab                      1    5.60    0.00    7.91    0    2.85    5.60    2.33</p>	7.91	12.822



KRIVLJENJE PALIC

Poz.	Kom.	fi	Dolz.	dbr fi	Tip	Oblika	Skupna dolz.	Teza kg
50	1	16	12.00		X1	 <p style="text-align: center;">-1-</p> <p>st.    dx    dy    l    &gt;°    r    Sehne    ab                      1    4.75   -0.00   12.00   0    2.81   4.75   4.31</p>	12.00	19.452
51	1	16	7.66		X1	 <p style="text-align: center;">-1-</p> <p>st.    dx    dy    l    &gt;°    r    Sehne    ab                      1    -5.50   0.00   7.66   0    2.81   5.50   2.23</p>	7.66	12.417
52	8	20	4.30		A1	 <p style="text-align: center;">4.30</p>	34.40	87.032
53	5	16	10.50		A1	 <p style="text-align: center;">10.50</p>	52.50	85.103
54	41	12	1.48		B1	 <p style="text-align: center;">48</p> <p style="text-align: center;">Kljuka=12.0</p>	60.68	55.279
55	6	12	4.30		A1	 <p style="text-align: center;">4.30</p>	25.80	23.504
56	8	20	7.00		A1	 <p style="text-align: center;">7.00</p>	56.00	141.680

Skupna teza (kg) 10692.497

Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-Z-01

Projekt : VRTEC KAMNITNIK  
 Element : Arma. nacrt opornega zidu  
 St.nacrta : AR-Z-01

P A L I C N A ARMATURA Jeklo: 500S

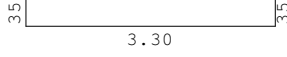
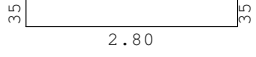
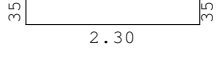
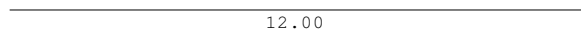
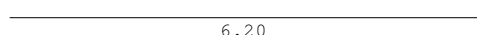
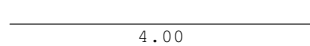
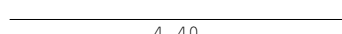
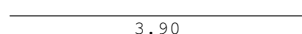
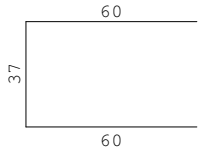
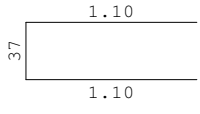
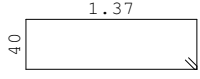
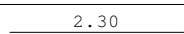
Poz.	Kom	fi	Dolzina	D8	D10	D12	D14	D16
1	216	12	4.00			864.00		
2	45	12	3.50			157.50		
3	40	12	3.00			120.00		
4	224	10	12.00		2688.00			
5	72	10	6.20		446.40			
6	72	10	4.00		288.00			
7	62	10	4.40		272.80			
8	52	10	3.90		202.80			
9	149	10	1.57		233.93			
10	53	10	2.57		136.21			
11	53	10	3.74		198.22			
12	14	10	2.30		32.20			
13	14	10	2.80		39.20			
14	296	16	4.60					1361.60
15	30	16	3.90					117.00
16	27	16	3.10					83.70
17	209	12	3.90			815.10		
18	45	12	3.40			153.00		
19	40	12	2.90			116.00		
20	418	12	4.55			1901.90		
21	90	12	3.55			319.50		
22	80	12	2.55			204.00		
23	294	12	2.32			682.08		
24	20	10	8.20		164.00			
25	96	10	5.80		556.80			
26	20	10	3.70		74.00			
27	72	10	1.46		105.12			
28	96	10	1.50		144.00			
29	90	16	3.51					315.90
30	20	16	5.05					101.00
31	40	16	4.55					182.00
32	20	10	1.35		27.00			
33	180	14	1.47				264.60	
34	260	8	0.44	114.40				
35	20	8	0.29	5.80				
-----								
Skupna dolzina			120.20		5608.68	5333.08	264.60	2161.20
kg / m			D8 0.405	D10 0.633	D12 0.911	D14 1.242	D16 1.621	
kg / profil			48.681	3550.295	4858.436	328.633	3503.305	
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Skupna teza (kg)			12289.350					
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Projekt: G-251-16 VRTEC KAMNITNIK


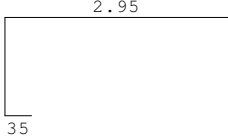
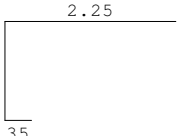
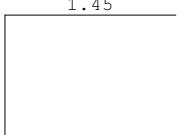
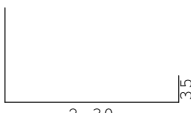



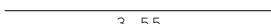
/ AR-Z-01

Projekt : VRTEC KAMNITNIK  
 Element : Arma. nacrt opornega zidu  
 St.nacrta : AR-Z-01

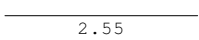
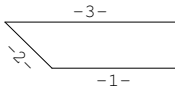
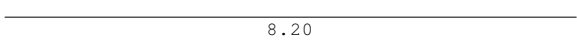
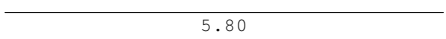
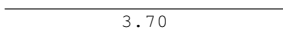
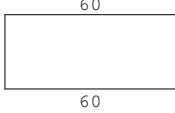
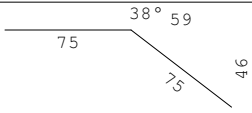
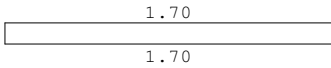
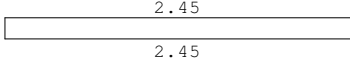
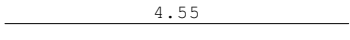
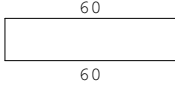
KRIVLJENJE PALIC Jeklo: 500S

Poz.	Kom.	fi	Dolz.	dbf fi	Tip	Oblika	Skupna dolz.	Teza kg
1	216	12	4.00		A3	 -A- -B- -C- 0.35 3.30 0.35	864.00	787.104
2	45	12	3.50		A3	 -A- -B- -C- 0.35 2.80 0.35	157.50	143.483
3	40	12	3.00		A3	 -A- -B- -C- 0.35 2.30 0.35	120.00	109.320
4	224	10	12.00		A1	 -A- 12.00	2688.00	1701.504
5	72	10	6.20		A1	 -A- 6.20	446.40	282.571
6	72	10	4.00		A1	 -A- 4.00	288.00	182.304
7	62	10	4.40		A1	 -A- 4.40	272.80	172.682
8	52	10	3.90		A1	 -A- 3.90	202.80	128.372
9	149	10	1.57		A3	 -A- -B- -C- 0.60 0.37 0.60	233.93	148.078
10	53	10	2.57		A3	 -A- -B- -C- 1.10 0.37 1.10	136.21	86.221
11	53	10	3.74		B1	 Kljuka=10.0 -A- -B- 0.40 1.37	198.22	125.473
12	14	10	2.30		A1	 -A- 2.30	32.20	20.383

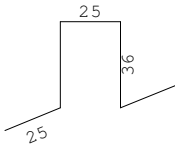

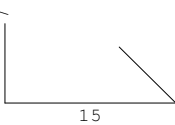
KRIVLJENJE PALIC

Poz.	Kom.	fi	Dolz.	dbf fi	Tip	Oblika	Skupna dolz.	Teza kg
13	14	10	2.80		A1	 <p>2.80</p> <p>-A- 2.80</p>	39.20	24.814
14	296	16	4.60		A3	 <p>2.95</p> <p>1.30</p> <p>35</p> <p>-A- -B- -C- 2.95 1.30 0.35</p>	1361.60	2207.154
15	30	16	3.90		A3	 <p>2.25</p> <p>1.30</p> <p>35</p> <p>-A- -B- -C- 2.25 1.30 0.35</p>	117.00	189.657
16	27	16	3.10		A3	 <p>1.45</p> <p>1.30</p> <p>35</p> <p>-A- -B- -C- 1.45 1.30 0.35</p>	83.70	135.678
17	209	12	3.90		A3	 <p>1.25</p> <p>2.30</p> <p>35</p> <p>-A- -B- -C- 1.25 2.30 0.35</p>	815.10	742.556
18	45	12	3.40		A3	 <p>1.25</p> <p>1.80</p> <p>35</p> <p>-A- -B- -C- 1.25 1.80 0.35</p>	153.00	139.383
19	40	12	2.90		A3	 <p>1.25</p> <p>1.30</p> <p>35</p> <p>-A- -B- -C- 1.25 1.30 0.35</p>	116.00	105.676
20	418	12	4.55		A1	 <p>4.55</p> <p>-A- 4.55</p>	1901.90	1732.631
21	90	12	3.55		A1	 <p>3.55</p> <p>-A- 3.55</p>	319.50	291.065

KRIVLJENJE PALIC

Poz.	Kom.	fi	Dolz.	dbr fi	Tip	Oblika	Skupna dolz.	Teza kg
22	80	12	2.55		A1	 2.55 -A- 2.55	204.00	185.844
23	294	12	2.32		X1	 -3- -1- 45° st. dx dy l >° 1 -0.80 0.00 0.80 -45 2 -0.30 0.30 0.42 -135 3 1.10 0.00 1.10 0	682.08	621.375
24	20	10	8.20		A1	 8.20 -A- 8.20	164.00	103.812
25	96	10	5.80		A1	 5.80 -A- 5.80	556.80	352.454
26	20	10	3.70		A1	 3.70 -A- 3.70	74.00	46.842
27	72	10	1.46		A3	 60 26 60 -A- -B- -C- 0.60 0.26 0.60	105.12	66.541
28	96	10	1.50		C1	 75 38° 59 75 46 -A- -B- -C- -F- -WI- 0.75 0.59 0.46 0.75 38°	144.00	91.152
29	90	16	3.51		A3	 1.70 1.70 -A- -B- -C- 1.70 0.11 1.70	315.90	512.074
30	20	16	5.05		A3	 2.45 2.45 -A- -B- -C- 2.45 0.15 2.45	101.00	163.721
31	40	16	4.55		A1	 4.55 -A- 4.55	182.00	295.022
32	20	10	1.35		A3	 60 15 60 -A- -B- -C- 0.60 0.15 0.60	27.00	17.091

KRIVLJENJE PALIC

Poz.	Kom.	fi	Dolz.	dbf fi	Tip	Oblika	Skupna dolz.	Teza kg
33	180	14	1.47		D2	 <p>-A- -B- -C-                      0.25 0.36 0.25</p>	264.60	328.633
34	260	8	0.44		D1	 <p>-A-                      0.30</p>	114.40	46.332
35	20	8	0.29		D1	 <p>-A-                      0.15</p>	5.80	2.349

Skupna teza (kg) 12289.350

Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-Z-02

Projekt : VRTEC KAMNITNIK  
 Element : Armaturni nacrt stopnic  
 St.nacrta : AR-Z-02

P A L I C N A ARMATURA Jeklo: 500S

Poz.	Kom	fi	Dolzina	D8	D10	D12	D16
1	152	8	3.82	580.64			
2	152	8	1.12	170.24			
3	90	16	2.10				189.00
4	40	16	2.00				80.00
5	180	10	1.70		306.00		
6	80	10	2.00		160.00		
7	18	12	1.60			28.80	
8	8	12	2.00			16.00	
9	12	10	1.47		17.64		
10	10	16	1.65				16.50
11	20	10	1.65		33.00		
12	2	12	1.65			3.30	
13	10	16	1.70				17.00
14	20	10	1.80		36.00		
15	2	12	1.80			3.60	
16	13	10	2.66		34.58		
17	16	10	2.61		41.76		

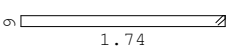
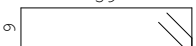
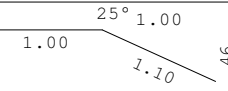
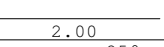
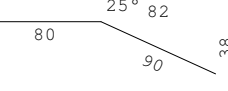
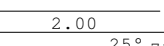
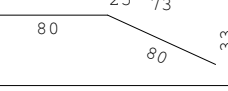
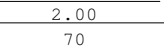
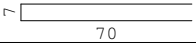
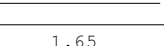
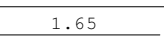
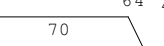
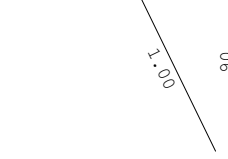
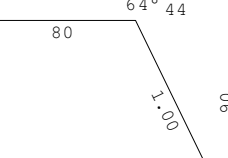
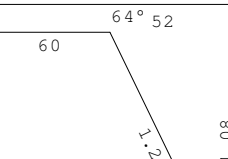
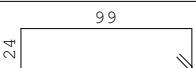
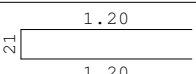
Skupna dolzina			750.88	628.98	51.70	302.50	
kg / m			D8 0.405	D10 0.633	D12 0.911	D16 1.621	
kg / profil			304.106	398.144	47.099	490.353	
Skupna teza (kg)			1239.702				

Projekt: G-251-16 VRTEC KAMNITNIK

/ AR-Z-02

Projekt : VRTEC KAMNITNIK  
 Element : Armaturni nacrt stopnic  
 St.nacrta : AR-Z-02

KRIVLJENJE PALIC Jeklo: 500S

Poz.	Kom.	fi	Dolz.	dbf fi	Tip	Oblika	Skupna dolz.	Teza kg
1	152	8	3.82		B1	 Kljuka= 8.0	580.64	235.159
2	152	8	1.12		B1	 Kljuka= 8.0	170.24	68.947
3	90	16	2.10		C1	 25° 1.00 1.00 1.10 46	189.00	306.369
4	40	16	2.00		A1	 2.00	80.00	129.680
5	180	10	1.70		C1	 25° 82 80 90 38	306.00	193.698
6	80	10	2.00		A1	 2.00	160.00	101.280
7	18	12	1.60		C1	 25° 73 80 80 33	28.80	26.237
8	8	12	2.00		A1	 2.00	16.00	14.576
9	12	10	1.47		A3	 70 7	17.64	11.166
10	10	16	1.65		A1	 1.65	16.50	26.747
11	20	10	1.65		A1	 1.65	33.00	20.889
12	2	12	1.65		A1	 1.65	3.30	3.006
13	10	16	1.70		C1	 64° 44 70 1.00 90	17.00	27.557
14	20	10	1.80		C1	 64° 44 80 1.00 90	36.00	22.788
15	2	12	1.80		C1	 64° 52 60 1.20 1.08	3.60	3.280
16	13	10	2.66		B1	 99 24 Kljuka=10.0	34.58	21.889
17	16	10	2.61		A3	 1.20 21 1.20	41.76	26.434

Skupna teza (kg) 1239.702