

Projekt: 2007-052 wydział Biologii Uniwersytetu Gdańskiego

/ K-209

Dane projektu

Tytuł : Wydział Biologii Uniwersytetu Gdańskiego
Element : Ściany poz. P2 w osiach M-I/3-7
Inwestor : Uniwersytet Gdański, 80-952 Gdańsk ul. Jana Bażyńskiego 1A
Rys nr : K-209
Data : 28.03.2008

WYKAZ STALI ZBROJENIOWEJ klasa stali: BST 500 SA

Poz.	Nr	d	Długość	całk.dł	masa(kg)
1	280	6	0.27	75.60	16.783
2	17	10	1.72	29.24	18.041
3	2	12	2.50	5.00	4.440
4	5	14	2.25	11.25	13.613
5	3	14	2.30	6.90	8.349
6	446	12	4.70	2096.20	1861.426
7	2	12	2.30	4.60	4.085
8	36	14	4.80	172.80	209.088
9	18	10	1.90	34.20	21.101
10	8	10	1.35	10.80	6.664
11	20	10	2.35	47.00	28.999
12	136	10	1.50	204.00	125.868
13	17	10	1.60	27.20	16.782
14	10	14	4.00	40.00	48.400
15	52	10	2.00	104.00	64.168
16	4	14	3.40	13.60	16.456
17	2	12	3.20	6.40	5.683
18	3	14	2.70	8.10	9.801
19	20	10	3.15	63.00	38.871
20	32	10	2.10	67.20	41.462
21	44	10	3.00	132.00	81.444
22	4	14	4.60	18.40	22.264
23	16	12	4.00	64.00	56.832
24	52	10	2.10	109.20	67.376
25	52	10	2.30	119.60	73.793
26	30	10	2.58	77.40	47.756
27	14	16	4.35	60.90	96.222
28	104	10	2.54	264.16	162.987
29	52	10	4.10	213.20	131.544
30	2	12	2.50	5.00	4.440
31	115	10	1.55	178.25	109.980
32	8	14	5.20	41.60	50.336
33	12	14	2.80	33.60	40.656
34	14	16	4.80	67.20	106.176
35	16	10	1.04	16.64	10.267
36	32	10	1.80	57.60	35.539
37	52	10	3.30	171.60	105.877
38	4	14	8.20	32.80	39.688
39	33	10	2.38	78.54	48.459
40	52	10	4.70	244.40	150.795
41	2	12	3.40	6.80	6.038
42	4	14	8.10	32.40	39.204
43	52	10	6.85	356.20	219.775
44	52	10	6.30	327.60	202.129
45	4	14	4.50	18.00	21.780
46	8	14	1.30	10.40	12.584
47	4	20	5.25	21.00	51.870
48	8	10	2.95	23.60	14.561
49	2	20	5.38	10.76	26.577
50	8	10	2.98	23.84	14.709
51	14	10	2.70	37.80	23.323
52	16	10	2.55	40.80	25.174

Całk. ilość stali			
d(mm)	całk.dł	kg/m	masa(kg)
6	75.60	0.222	16.783
10	3059.07	0.617	1887.446
12	2188.00	0.888	1942.944
14	439.85	1.210	532.219
16	128.10	1.580	202.398
20	31.76	2.470	78.447

masa całk. (kg) 4660.237

Projekt: 2007-052 wydział Biologii Uniwersytetu Gdańskiego

/ K-209

Dane projektu

Tytuł : Wydział Biologii Uniwersytetu Gdańskiego
Element : Ściany poz. P2 w osiach M-I/3-7
Inwestor : Uniwersytet Gdański, 80-952 Gdańsk ul. Jana Bażyńskiego 1A
Rys nr : K-209
Data : 28.03.2008

ELEMENTY DO WBUDOWANIA

pręt nr:	ilość	jednostka	opis	materiał	Bestellnummer
1	6	mb	HBT 150 - 12/15 TYP 5 A IIIN		

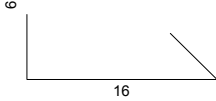
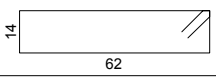
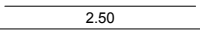
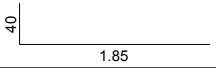
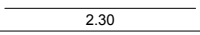
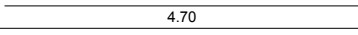
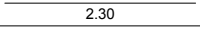
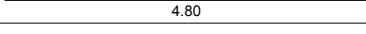
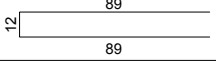
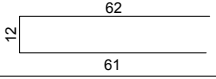
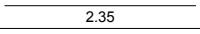
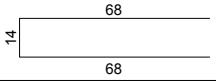

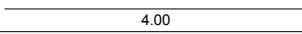
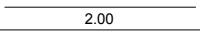
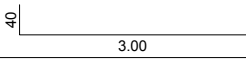
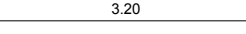
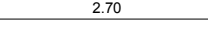
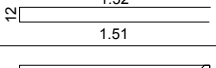
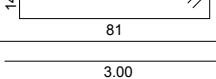
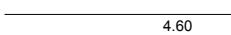
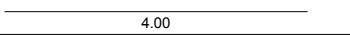

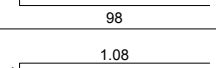
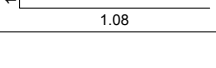
Projekt: 2007-052 wydział Biologii Uniwersytetu Gdańskiego

/ K-209

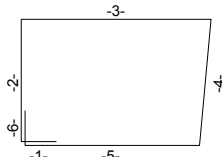
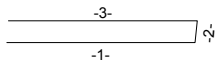
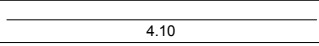
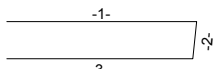
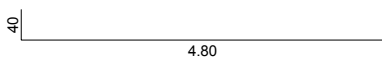
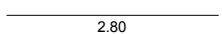
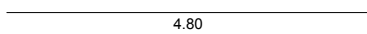
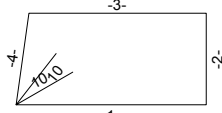
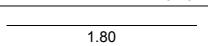
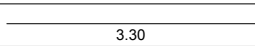
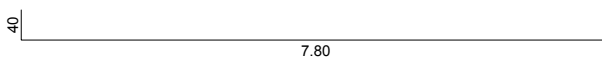
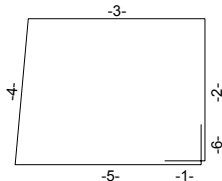
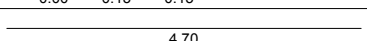
Dane projektu

Tytuł : wydział Biologii Uniwersytetu Gdańskiego
Element : Ściany poz. P2 w osiach M-I/3-7
Inwestor : Uniwersytet Gdański, 80-952 Gdańsk ul. Jana Bażyńskiego 1A
Rys nr : K-209
Data : 28.03.2008

WYKAZ FORM GIĘCIA PRĘTÓW ZBROJ. Klasa stali: BST 500 SA

Poz.	szt.	d	długość	dbz ds	typ	forma gięcia	suma dł.	ciężar kg
1	280	6	0.27		D1		75.60	16.783
2	17	10	1.72		B1		29.24	18.041
3	2	12	2.50		A1		5.00	4.440
4	5	14	2.25		A2		11.25	13.613
5	3	14	2.30		A1		6.90	8.349
6	446	12	4.70		A1		2096.20	1861.426
7	2	12	2.30		A1		4.60	4.085
8	36	14	4.80		A1		172.80	209.088
9	18	10	1.90		A3		34.20	21.101
10	8	10	1.35		A3		10.80	6.664
11	20	10	2.35		A1		47.00	28.999
12	136	10	1.50		A3		204.00	125.868
13	17	10	1.60		B1		27.20	16.782
14	10	14	4.00		A1		40.00	48.400
15	52	10	2.00		A1		104.00	64.168
16	4	14	3.40		A2		13.60	16.456
17	2	12	3.20		A1		6.40	5.683
18	3	14	2.70		A1		8.10	9.801
19	20	10	3.15		A3		63.00	38.871
20	32	10	2.10		B1		67.20	41.462
21	44	10	3.00		A1		132.00	81.444
22	4	14	4.60		A1		18.40	22.264
23	16	12	4.00		A1		64.00	56.832
24	52	10	2.10		A3		109.20	67.376
25	52	10	2.30		A3		119.60	73.793

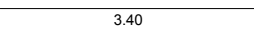
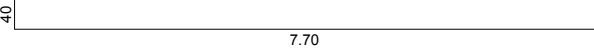
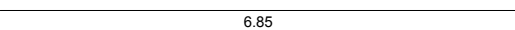
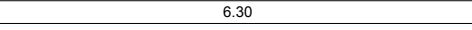
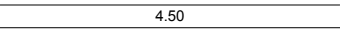
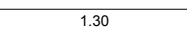
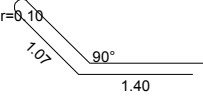
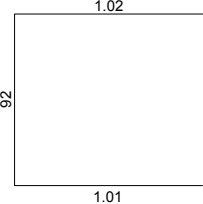
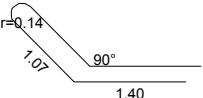
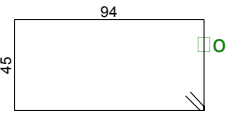
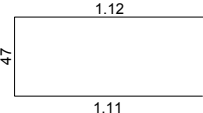
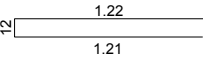
WYKAZ FORM GIĘCIA PRĘTÓW ZBROJ. Klasa stali: BST 500 SA

Poz.	szt.	d	długość	dbz	typ	forma gięcia	suma dł.	ciężar kg																																			
26	30	10	2.58		X1	<div><table><thead><tr><th>Nr</th><th>dx</th><th>dy</th><th>l</th><th>>°</th></tr></thead><tbody><tr><td>1</td><td>-0.13</td><td>0.00</td><td>0.13</td><td>-90</td></tr><tr><td>2</td><td>0.00</td><td>0.47</td><td>0.47</td><td>-90</td></tr><tr><td>3</td><td>0.71</td><td>0.00</td><td>0.71</td><td>-95</td></tr><tr><td>4</td><td>-0.04</td><td>-0.47</td><td>0.47</td><td>-85</td></tr><tr><td>5</td><td>-0.67</td><td>0.00</td><td>0.67</td><td>-90</td></tr><tr><td>6</td><td>0.00</td><td>0.13</td><td>0.13</td><td></td></tr></tbody></table></div>	Nr	dx	dy	l	>°	1	-0.13	0.00	0.13	-90	2	0.00	0.47	0.47	-90	3	0.71	0.00	0.71	-95	4	-0.04	-0.47	0.47	-85	5	-0.67	0.00	0.67	-90	6	0.00	0.13	0.13		77.40	47.756
Nr	dx	dy	l	>°																																							
1	-0.13	0.00	0.13	-90																																							
2	0.00	0.47	0.47	-90																																							
3	0.71	0.00	0.71	-95																																							
4	-0.04	-0.47	0.47	-85																																							
5	-0.67	0.00	0.67	-90																																							
6	0.00	0.13	0.13																																								
27	14	16	4.35		A1	<div></div>	60.90	96.222																																			
28	104	10	2.54		X1	<div><table><thead><tr><th>Nr</th><th>dx</th><th>dy</th><th>l</th><th>>°</th></tr></thead><tbody><tr><td>1</td><td>1.20</td><td>0.00</td><td>1.20</td><td>85</td></tr><tr><td>2</td><td>0.01</td><td>0.14</td><td>0.14</td><td>95</td></tr><tr><td>3</td><td>-1.20</td><td>0.00</td><td>1.20</td><td></td></tr></tbody></table></div>	Nr	dx	dy	l	>°	1	1.20	0.00	1.20	85	2	0.01	0.14	0.14	95	3	-1.20	0.00	1.20		264.16	162.987															
Nr	dx	dy	l	>°																																							
1	1.20	0.00	1.20	85																																							
2	0.01	0.14	0.14	95																																							
3	-1.20	0.00	1.20																																								
29	52	10	4.10		A1	<div></div>	213.20	131.544																																			
30	2	12	2.50		A2	<div></div>	5.00	4.440																																			
31	115	10	1.55		X1	<div><table><thead><tr><th>Nr</th><th>dx</th><th>dy</th><th>l</th><th>>°</th></tr></thead><tbody><tr><td>1</td><td>0.71</td><td>0.00</td><td>0.71</td><td>-95</td></tr><tr><td>2</td><td>-0.01</td><td>-0.14</td><td>0.14</td><td>-85</td></tr><tr><td>3</td><td>-0.70</td><td>0.00</td><td>0.70</td><td></td></tr></tbody></table></div>	Nr	dx	dy	l	>°	1	0.71	0.00	0.71	-95	2	-0.01	-0.14	0.14	-85	3	-0.70	0.00	0.70		178.25	109.980															
Nr	dx	dy	l	>°																																							
1	0.71	0.00	0.71	-95																																							
2	-0.01	-0.14	0.14	-85																																							
3	-0.70	0.00	0.70																																								
32	8	14	5.20		A2	<div></div>	41.60	50.336																																			
33	12	14	2.80		A1	<div></div>	33.60	40.656																																			
34	14	16	4.80		A1	<div></div>	67.20	106.176																																			
35	16	10	1.04		X1	<div><table><thead><tr><th>Nr</th><th>dx</th><th>dy</th><th>l</th><th>>°</th></tr></thead><tbody><tr><td>1</td><td>0.29</td><td>-0.00</td><td>0.10</td><td>150</td></tr><tr><td>2</td><td>0.00</td><td>0.14</td><td>0.29</td><td>90</td></tr><tr><td>3</td><td>-0.27</td><td>0.00</td><td>0.27</td><td>82</td></tr><tr><td>4</td><td>-0.02</td><td>-0.14</td><td>0.14</td><td>150</td></tr></tbody></table></div>	Nr	dx	dy	l	>°	1	0.29	-0.00	0.10	150	2	0.00	0.14	0.29	90	3	-0.27	0.00	0.27	82	4	-0.02	-0.14	0.14	150	16.64	10.267										
Nr	dx	dy	l	>°																																							
1	0.29	-0.00	0.10	150																																							
2	0.00	0.14	0.29	90																																							
3	-0.27	0.00	0.27	82																																							
4	-0.02	-0.14	0.14	150																																							
36	32	10	1.80		A1	<div></div>	57.60	35.539																																			
37	52	10	3.30		A1	<div></div>	171.60	105.877																																			
38	4	14	8.20		A2	<div></div>	32.80	39.688																																			
39	33	10	2.38		X1	<div><table><thead><tr><th>Nr</th><th>dx</th><th>dy</th><th>l</th><th>>°</th></tr></thead><tbody><tr><td>1</td><td>0.13</td><td>-0.00</td><td>0.13</td><td>90</td></tr><tr><td>2</td><td>0.00</td><td>0.47</td><td>0.47</td><td>90</td></tr><tr><td>3</td><td>-0.57</td><td>0.00</td><td>0.57</td><td>85</td></tr><tr><td>4</td><td>-0.04</td><td>-0.47</td><td>0.47</td><td>95</td></tr><tr><td>5</td><td>0.61</td><td>-0.00</td><td>0.61</td><td>90</td></tr><tr><td>6</td><td>0.00</td><td>0.13</td><td>0.13</td><td></td></tr></tbody></table></div>	Nr	dx	dy	l	>°	1	0.13	-0.00	0.13	90	2	0.00	0.47	0.47	90	3	-0.57	0.00	0.57	85	4	-0.04	-0.47	0.47	95	5	0.61	-0.00	0.61	90	6	0.00	0.13	0.13		78.54	48.459
Nr	dx	dy	l	>°																																							
1	0.13	-0.00	0.13	90																																							
2	0.00	0.47	0.47	90																																							
3	-0.57	0.00	0.57	85																																							
4	-0.04	-0.47	0.47	95																																							
5	0.61	-0.00	0.61	90																																							
6	0.00	0.13	0.13																																								
40	52	10	4.70		A1	<div></div>	244.40	150.795																																			

Projekt: 2007-052 wydział Biologii Uniwersytetu Gdańskiego

/ K-209

WYKAZ FORM GIĘCIA PRĘTÓW ZBROJ. Klasa stali: BST 500 SA

Poz.	szt.	d	długość	dbz ds	typ	forma gięcia	suma dł.	ciężar kg
41	2	12	3.40		A1		6.80	6.038
42	4	14	8.10		A2		32.40	39.204
43	52	10	6.85		A1		356.20	219.775
44	52	10	6.30		A1		327.60	202.129
45	4	14	4.50		A1		18.00	21.780
46	8	14	1.30		A1		10.40	12.584
47	4	20	5.25		D3A		21.00	51.870
48	8	10	2.95		A3		23.60	14.561
49	2	20	5.38		D3A		10.76	26.577
50	8	10	2.98		B1		23.84	14.709
51	14	10	2.70		A3		37.80	23.323
52	16	10	2.55		A3		40.80	25.174

masa całkow. (kg) 4660.237