

Projekt: 2007-052 wydział Biologii Uniwersytetu Gdańskiego

/ K-102a

Dane projektu

Tytuł : Wydział Biologii Uniwersytetu Gdańskiego
Element : Słupy w poziomie P1 - cz.2
Inwestor : Uniwersytet Gdański, 80-952 Gdańsk ul. Jana Bażyńskiego 1A
Rys nr : K-102a
Data : 03.07.2008

WYKAZ STALI ZBROJENIOWEJ klasa stali: 500S

Poz.	Nr	d	Długość	całk.dł	masa(kg)
1	56	28	5.20	291.20	1406.496
2	60	10	2.62	157.20	96.992
3	68	10	3.02	205.36	126.707
4	136	10	1.82	247.52	152.720
5	56	28	6.00	336.00	1622.880
6	40	10	3.12	124.80	77.002
7	38	10	2.72	103.36	63.773
8	40	10	3.06	122.40	75.521
9	38	10	2.66	101.08	62.366
10	4	25	6.00	24.00	92.400
11	12	25	6.00	72.00	277.200
12	16	25	4.00	64.00	246.400
13	42	10	2.04	85.68	52.865
14	38	10	1.64	62.32	38.451
15	38	10	1.36	51.68	31.887
16	48	25	6.90	331.20	1275.120
17	18	25	6.90	124.20	478.170
18	16	25	6.10	97.60	375.760
19	24	25	6.10	146.40	563.640
20	264	10	2.04	538.56	332.292
21	248	10	1.80	446.40	275.429
22	248	10	1.58	391.84	241.765
23	12	25	7.00	84.00	323.400
24	6	25	7.00	42.00	161.700
25	4	25	6.60	26.40	101.640
26	4	25	2.30	9.20	35.420
27	9	25	4.70	42.30	162.855
28	2	25	4.70	9.40	36.190
29	5	25	5.65	28.25	108.762
30	36	20	3.90	140.40	346.788
31	60	20	4.20	252.00	622.440
32	32	20	5.20	166.40	411.008
33	20	28	1.60	32.00	154.560
34	20	20	1.60	32.00	79.040
35	32	16	3.60	115.20	182.016
36	32	16	2.70	86.40	136.512
37	200	10	2.02	404.00	249.268
38	200	10	1.66	332.00	204.844
39	200	10	1.38	276.00	170.292
40	96	20	1.67	160.32	395.990
41	160	10	1.84	294.40	181.645
42	160	10	1.38	220.80	136.234
43	20	12	2.20	44.00	39.072
44	20	12	1.94	38.80	34.454
45	32	20	1.70	54.40	134.368
46	20	10	2.14	42.80	26.408
47	20	10	1.88	37.60	23.199
48	182	8	0.96	174.72	69.014

średnio

Całk. ilość stali

d(mm)	całk.dł	kg/m	masa(kg)
8	174.72	0.395	69.014
10	4245.80	0.617	2619.659
12	82.80	0.888	73.526
16	201.60	1.580	318.528
20	805.52	2.470	1989.634
25	1100.95	3.850	4238.657
28	659.20	4.830	3183.936

masa całk. (kg) 12492.954

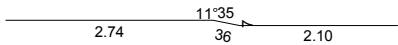
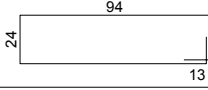
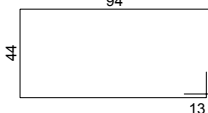
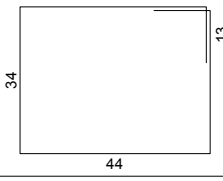
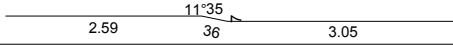
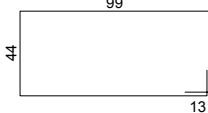
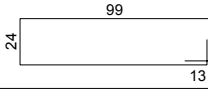
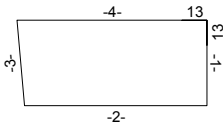
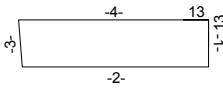

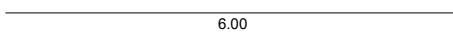
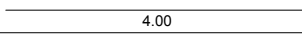

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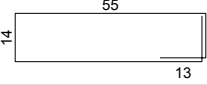

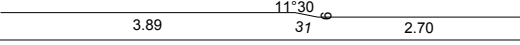
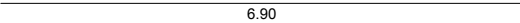
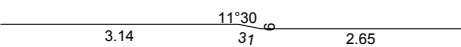
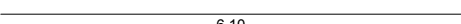
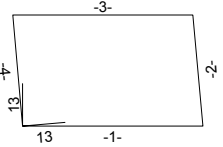
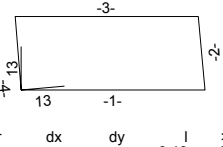
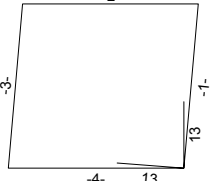
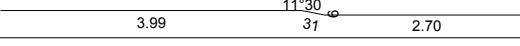
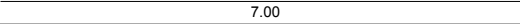
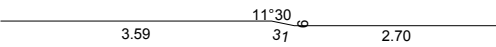
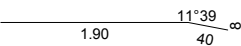
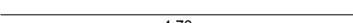
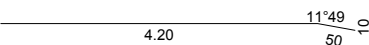
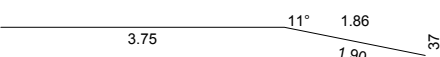
WYKAZ FORM GIĘCIA PRĘTÓW ZBROJ. Klasa stali: 500S

Poz.	szt.	d	długość	dbz ds	typ	forma gięcia	suma dł.	ciężar kg
1	56	28	5.20		C2		291.20	1406.496
2	60	10	2.62		B2	 kął 0 stopni	157.20	96.992
3	68	10	3.02		B2	 kął 0 stopni	205.36	126.707
4	136	10	1.82		B2	 kął 0 stopni	247.52	152.720
5	56	28	6.00		C2		336.00	1622.880
6	40	10	3.12		B2	 kął 0 stopni	124.80	77.002
7	38	10	2.72		B2	 kął 0 stopni	103.36	63.773
8	40	10	3.06		X1	 Nr dx dy l v° 1 0.00 -0.44 0.13 -90 2 -0.94 -0.00 0.44 -90 3 -0.04 0.44 0.44 -95 4 0.98 -0.00 0.98 -90 0.13	122.40	75.521
9	38	10	2.66		X1	 Nr dx dy l v° 1 0.00 -0.24 0.13 -90 2 -0.95 -0.00 0.95 -85 3 -0.02 0.24 0.24 -95 4 0.97 -0.00 0.97 -90 0.13	101.08	62.366
10	4	25	6.00		C2		24.00	92.400
11	12	25	6.00		A1		72.00	277.200
12	16	25	4.00		A1		64.00	246.400
13	42	10	2.04		B2	 kął 0 stopni	85.68	52.865

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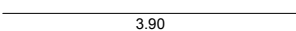
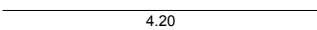
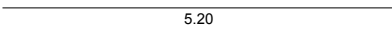
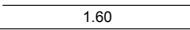
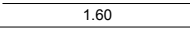
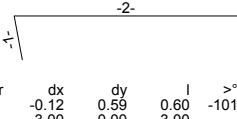
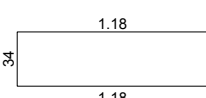
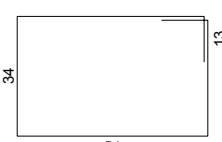
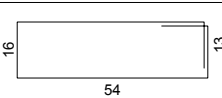
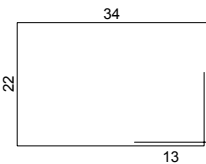
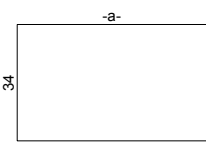
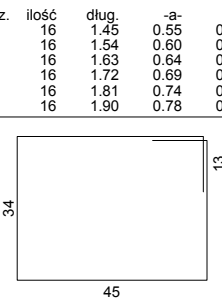
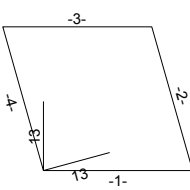
WYKAZ FORM GIĘCIA PRĘTÓW ZBROJ. Klasa stali: 500S

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14	38	10	1.64		B2	 ką 0 stopni	62.32	38.451
15	38	10	1.36		B2	 ką 0 stopni	51.68	31.887
16	48	25	6.90		C2	 11°30' 31	331.20	1275.120
17	18	25	6.90		A1		124.20	478.170
18	16	25	6.10		C2	 11°30' 31	97.60	375.760
19	24	25	6.10		A1		146.40	563.640
20	264	10	2.04		X1	 Nr dx dy l v° 1 0.55 -0.00 0.13 90 2 -0.03 0.34 0.34 85 3 -0.55 0.00 0.55 95 4 0.03 -0.34 0.34 90 0.13	538.56	332.292
21	248	10	1.80		X1	 Nr dx dy l v° 1 0.55 -0.00 0.13 90 2 -0.02 0.22 0.22 85 3 -0.55 0.00 0.55 95 4 0.02 -0.22 0.22 90 0.13	446.40	275.429
22	248	10	1.58		X1	 Nr dx dy l v° 1 0.03 0.32 0.13 90 2 -0.34 0.00 0.34 95 3 -0.03 -0.32 0.32 85 4 0.34 -0.00 0.34 90 0.13	391.84	241.765
23	12	25	7.00		C2	 11°30' 31	84.00	323.400
24	6	25	7.00		A1		42.00	161.700
25	4	25	6.60		C2	 11°30' 31	26.40	101.640
26	4	25	2.30		C1	 11°39' 40	9.20	35.420
27	9	25	4.70		A1		42.30	162.855
28	2	25	4.70		C1	 11°49' 50	9.40	36.190
29	5	25	5.65		C1	 11° 37	28.25	108.762

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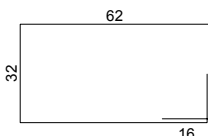
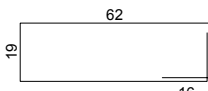
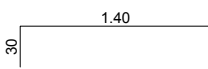
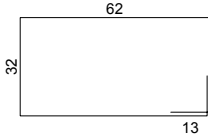
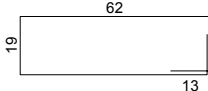
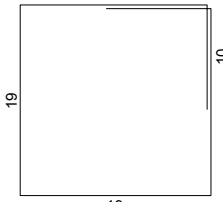
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35	32	16	3.60		X1	 <table><tr><th>Nr</th><th>dx</th><th>dy</th><th>l</th><th>α°</th></tr><tr><td>1</td><td>-0.12</td><td>0.59</td><td>0.60</td><td>-101</td></tr><tr><td>2</td><td>3.00</td><td>0.00</td><td>3.00</td><td></td></tr></table>	Nr	dx	dy	l	α°	1	-0.12	0.59	0.60	-101	2	3.00	0.00	3.00		115.20	182.016																				
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40	96	20	1.67		A3	 <table><tr><th>Poz.</th><th>ilość</th><th>dług.</th><th>-a-</th><th>-c-</th></tr><tr><td>1</td><td>16</td><td>1.45</td><td>0.55</td><td>0.55</td></tr><tr><td>2</td><td>16</td><td>1.54</td><td>0.60</td><td>0.60</td></tr><tr><td>3</td><td>16</td><td>1.63</td><td>0.64</td><td>0.64</td></tr><tr><td>4</td><td>16</td><td>1.72</td><td>0.69</td><td>0.69</td></tr><tr><td>5</td><td>16</td><td>1.81</td><td>0.74</td><td>0.74</td></tr><tr><td>6</td><td>16</td><td>1.90</td><td>0.78</td><td>0.78</td></tr></table>	Poz.	ilość	dług.	-a-	-c-	1	16	1.45	0.55	0.55	2	16	1.54	0.60	0.60	3	16	1.63	0.64	0.64	4	16	1.72	0.69	0.69	5	16	1.81	0.74	0.74	6	16	1.90	0.78	0.78	160.32	395.990
Poz.	ilość	dług.	-a-	-c-																																							
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6	16	1.90	0.78	0.78																																							
41	160	10	1.84		B2	 ką 0 stopni	294.40	181.645																																			
42	160	10	1.38		X1	 <table><tr><th>Nr</th><th>dx</th><th>dy</th><th>l</th><th>α°</th></tr><tr><td>1</td><td>0.28</td><td>-0.00</td><td>0.13</td><td>90</td></tr><tr><td>2</td><td>-0.08</td><td>0.27</td><td>0.28</td><td>106</td></tr><tr><td>3</td><td>-0.28</td><td>0.00</td><td>0.28</td><td>74</td></tr><tr><td>4</td><td>0.08</td><td>-0.27</td><td>0.28</td><td>106</td></tr><tr><td></td><td></td><td></td><td>0.13</td><td>90</td></tr></table>	Nr	dx	dy	l	α°	1	0.28	-0.00	0.13	90	2	-0.08	0.27	0.28	106	3	-0.28	0.00	0.28	74	4	0.08	-0.27	0.28	106				0.13	90	220.80	136.234					
Nr	dx	dy	l	α°																																							
1	0.28	-0.00	0.13	90																																							
2	-0.08	0.27	0.28	106																																							
3	-0.28	0.00	0.28	74																																							
4	0.08	-0.27	0.28	106																																							
			0.13	90																																							

Projekt: 2007-052 wydział Biologii Uniwersytetu Gdańskiego

/ K-102a

WYKAZ FORM GIĘCIA PRĘTÓW ZBROJ. Klasa stali: 500S

Poz.	szt.	d	długość	db ds	typ	forma gięcia	kąt 0 stopni	suma dł.	ciężar kg
43	20	12	2.20		B2			44.00	39.072
44	20	12	1.94		B2			38.80	34.454
45	32	20	1.70		A2			54.40	134.368
46	20	10	2.14		B2			42.80	26.408
47	20	10	1.88		B2			37.60	23.199
48	182	8	0.96		B2			174.72	69.014

masa calk. (kg) 12492.955