Projekt: 2007-052 Wydzial Biologi Uniwersytetu Gdańskiego / K-211

Dane projektu
Tytuł : Wydzial Biologi Uniwersytetu Gdańskiego
Element : Podciągi fasadowe w poz. P-2 w osi A-F/2-4, I-M/2-
Inwestor : Uniwersytet Gdański, 80-952 Gdańsk ul. Jana Bażyńskiego 1A
Rys Nr : K-211
Data : 31.03.2008

WYKAZ STALI ZBROJENIOWEJ Klasa stali: BST 500 SA

Poz.	szt.	d	Długość	całk.dł	masa(kg)	
1	12	20	5.60	67.20	165.984	
2	6	20	6.80	40.80	100.776	
3	4	14	12.00	48.00	58.080	
4	4	14	6.70	26.80	32.428	
5	218	8	3.70	806.60	318.607	
6	88	8	12.00	1056.00	417.120	
7	106	8	5.10	540.60	213.537	
8	12	20	9.40	112.80	278.616	
9	12	20	9.40	112.80	278.616	
10	14	14	2.40	33.60	40.656	
11	191	8	1.30	248.30	98.079	
12	218	8	3.40	741.20	292.774	
13	218	8	2.80	610.40	241.108	
14	218	8	1.23	268.14	105.915	
15	218	8	0.78	170.04	67.166	
16	12	16	5.45	65.40	103.332	
17	6	16	6.60	39.60	62.568	
18	40	12	5.35	214.00	190.032	
19	20	12	6.40	128.00	113.664	
20	16	14	9.40	150.40	181.984	
21	4	20	8.00	32.00	79.040	
22	6	20	7.20	43.20	106.704	
23	2	14	7.50	15.00	18.150	
24	16	8	6.50	104.00	41.080	
25	3	20	7.90	23.70	58.539	
26	6	16	4.60	27.60	43.608	
27	68	8	3.62	246.16	97.233	
28	4	8	2.30	9.20	3.634	
29	4	20	8.00	32.00	79.040	
30	94	8	3.60	338.40	133.668	
31	105	8	2.70	283.50	111.983	
32	4	8	3.90	15.60	6.162	
33	4	8	2.40	9.60	3.792	
34	3	20	9.30	27.90	68.913	
35	4	16	5.60	22.40	35.392	
36	4	14	8.30	33.20	40.172	
37	12	8	7.30	87.60	34.602	
38	18	8	8.10	145.80	57.591	
39	3	20	6.75	20.25	50.018	
40	2	14	7.25	14.50	17.545	
41	16	8	3.60	57.60	22.752	
42	3	20	4.90	14.70	36.309	
43	3	20	3.90	11.70	28.899	
44	12	8	4.10	49.20	19.434	
45	12	14	4.80	57.60	69.696	
46	3	20	6.60	19.80	48.906	
47	50	10	2.65	132.50	81.752	
48	2	14	4.70	9.40	11.374	
49	64	12	4.70	300.80	267.110	
50	12	12	4.00	48.00	42.624	
51	2	14	4.00	8.00	9.680	
52	9	12	1.45	13.05	11.588	
53	25	10	1.85	46.25	28.536	
54	3	20	4.60	13.80	34.086	
55	2	14	5.20	10.40	12.584	
56	16	10	2.30	36.80	22.706	
57	16	8	2.50	40.00	15.800	
58	3	20	4.40	13.20	32.604	
59	20	10	1.99	39.80	24.557	średnio
60	10	10	1.35	13.50	8.329	
61	3	20	3.30	9.90	24.453	
62	12	8	3.30	39.60	15.642	

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Projekt: 2007-052 Wydzial Biologi Uniwersytetu Gdańskiego / K-211

WYKAZ STALI ZBROJENIOWEJ Klasa stali: BST 500 SA

Poz.	szt.	d	Długość	całk.dł	masa(kg)	
63	12	10	2.00	24.00	14.808	
64	18	8	4.20	75.60	29.862	
65	3	20	5.20	15.60	38.532	
66	4	12	1.93	7.72	6.855	średnio
67	2	14	5.20	10.40	12.584	
68	4	14	3.10	12.40	15.004	
69	16	8	1.90	30.40	12.008	
70	10	8	2.50	25.00	9.875	
71	2	16	4.60	9.20	14.536	
72	3	20	2.30	6.90	17.043	
73	12	8	2.40	28.80	11.376	
74	4	14	3.60	14.40	17.424	
75	18	8	2.70	48.60	19.197	
76	3	20	4.20	12.60	31.122	
77	2	8	1.97	3.94	1.556	średnio
78	2	8	1.30	2.60	1.027	
79	2	14	3.50	7.00	8.470	
80	44	6	0.27	11.88	2.637	

Całk. ilość stali

d(mm)	całk.dł	kg/m	masa(kg)
6	11.88	0.222	2.637
8	6082.48	0.395	2402.580
10	292.85	0.617	180.688
12	711.57	0.888	631.874
14	451.10	1.210	545.831
16	164.20	1.580	259.436
20	630.85	2.470	1558.200
masa całk. (kg)			5581.246

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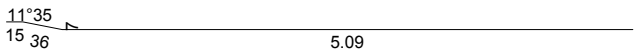
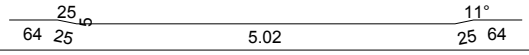
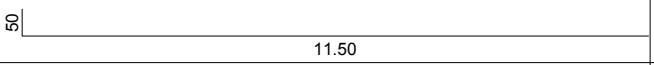
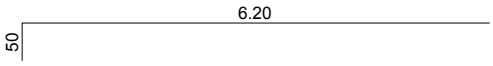
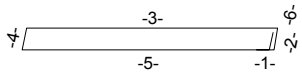
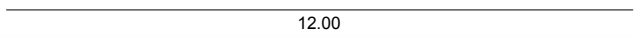
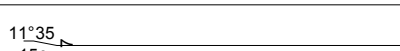
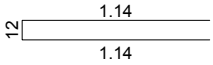
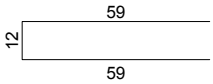
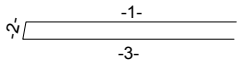
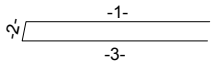
Projekt: 2007-052 Wydzial Biologi Uniwersytetu Gdańskiego / K-211

Dane projektu

Tytuł : Wydzial Biologi Uniwersytetu Gdańskiego
Element : Podciągi fasadowe w poz. P-2 w osi A-F/2-4, I-M/2-
Inwestor : Uniwersytet Gdański, 80-952 Gdańsk ul. Jana Bażyńskiego 1A
Rys Nr : K-211
Data : 31.03.2008

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

Poz.	Szt.	d	długość	dbr ds	Typ	forma gięcia	suma dł.	ciężar kg
1	12	20	5.60		C2		67.20	165.984
2	6	20	6.80		C3		40.80	100.776
3	4	14	12.00		A2		48.00	58.080
4	4	14	6.70		A2		26.80	32.428
5	218	8	3.70		X1	 Nr. dx dy l >° 1 0.11 0.00 0.11 79 2 0.03 0.14 0.13 101 3 -1.60 0.00 1.59 79 4 -0.03 -0.14 0.13 101 5 1.60 -0.00 1.59 79 6 0.02 0.11 0.11	806.60	318.607
6	88	8	12.00		A1		1056.00	417.120
7	106	8	5.10		A1		540.60	213.537
8	12	20	9.40		C2		112.80	278.616
9	12	20	9.40		X1	 Nr. dx dy l >° 1 2.08 0.00 2.08 11 2 0.25 0.05 0.25 -11 3 6.56 0.00 6.56 -11 4 0.35 -0.07 0.36 11 5 0.15 0.00 0.15	112.80	278.616
10	14	14	2.40		A3		33.60	40.656
11	191	8	1.30		A3		248.30	98.079
12	218	8	3.40		X1	 Nr. dx dy l >° 1 -1.63 -0.00 1.63 79 2 -0.03 -0.14 0.13 101 3 1.64 -0.00 1.63	741.20	292.774
13	218	8	2.80		X1	 Nr. dx dy l >° 1 -1.33 0.00 1.33 79 2 -0.03 -0.14 0.13 101 3 1.34 0.00 1.33	610.40	241.108

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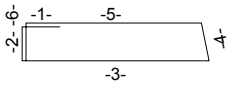
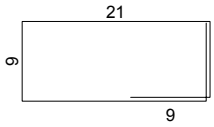
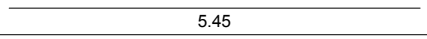
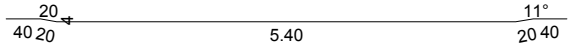
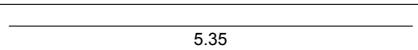
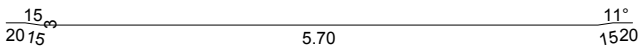
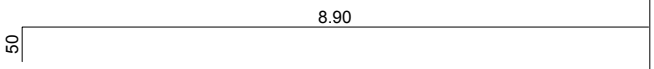
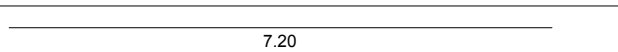
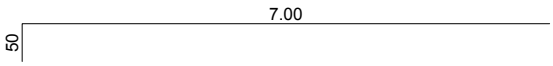
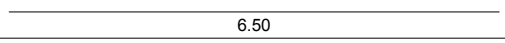
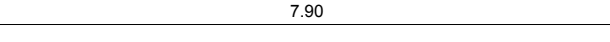
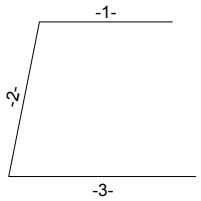
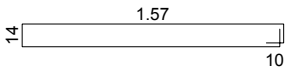
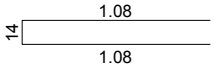
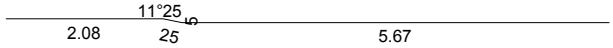
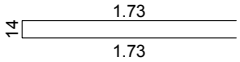
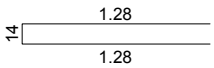
Projekt: 2007-052 Wydzial Biologi Uniwersytetu Gdańskiego / K-211

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

Poz.	Szt.	d	długość	dbr ds	Typ	forma gięcia	suma dł.	ciężar kg
14	218	8	1.23		X1	 Nr. dx dy l >° 1 -0.09 0.00 0.09 90 2 0.00 -0.09 0.09 90 3 0.44 0.00 0.43 101 4 -0.02 0.09 0.08 79 5 -0.43 0.00 0.43 90 6 0.00 -0.09 0.09	268.14	105.915
15	218	8	0.78		B2	kąt 0 stopni 	170.04	67.166
16	12	16	5.45		A1		65.40	103.332
17	6	16	6.60		C3		39.60	62.568
18	40	12	5.35		A1		214.00	190.032
19	20	12	6.40		C3		128.00	113.664
20	16	14	9.40		A2		150.40	181.984
21	4	20	8.00		A1		32.00	79.040
22	6	20	7.20		A1		43.20	106.704
23	2	14	7.50		A2		15.00	18.150
24	16	8	6.50		A1		104.00	41.080
25	3	20	7.90		A1		23.70	58.539
26	6	16	4.60	15	X1	 Nr. dx dy l >° 1 -1.29 0.00 1.29 79 2 -0.30 -1.51 1.51 101 3 1.83 0.00 1.80	27.60	43.608
27	68	8	3.62		B2	kąt 0 stopni 	246.16	97.233
28	4	8	2.30		A3		9.20	3.634
29	4	20	8.00		C2		32.00	79.040
30	94	8	3.60		A3		338.40	133.668
31	105	8	2.70		A3		283.50	111.983

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Projekt: 2007-052 Wydzial Biologi Uniwersytetu Gdańskiego / K-211

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

Poz.	Szt.	d	długość	dbr ds	Typ	forma gięcia	suma dł.	ciężar kg
32	4	8	3.90		A3	14 / 1.88 / 1.88	15.60	6.162
33	4	8	2.40		A3	14 / 1.13 / 1.13	9.60	3.792
34	3	20	9.30		A1	9.30	27.90	68.913
35	4	16	5.60	15	X1	-1- -2- -3-	22.40	35.392
36	4	14	8.30		A2	50 / 7.80	33.20	40.172
37	12	8	7.30		A1	7.30	87.60	34.602
38	18	8	8.10		A1	8.10	145.80	57.591
39	3	20	6.75		A1	6.75	20.25	50.018
40	2	14	7.25		A2	50 / 6.75	14.50	17.545
41	16	8	3.60		A1	3.60	57.60	22.752
42	3	20	4.90		A1	4.90	14.70	36.309
43	3	20	3.90		A1	3.90	11.70	28.899
44	12	8	4.10		A1	4.10	49.20	19.434
45	12	14	4.80		A2	50 / 4.30	57.60	69.696
46	3	20	6.60		A1	6.60	19.80	48.906
47	50	10	2.65		A1	2.65	132.50	81.752
48	2	14	4.70		A1	4.70	9.40	11.374
49	64	12	4.70		A1	4.70	300.80	267.110
50	12	12	4.00		A1	4.00	48.00	42.624
51	2	14	4.00		A1	4.00	8.00	9.680
52	9	12	1.45		A3	11 / 67 / 67	13.05	11.588
53	25	10	1.85		X1	-2- / -1- / -3-	46.25	28.536
54	3	20	4.60		A1	4.60	13.80	34.086

Poz. 35:

Nr.	dx	dy	l	>°
1	0.26	-1.28	1.31	79
2	2.51	0.00	2.48	101
3	-0.36	1.80	1.81	

Poz. 53:

Nr.	dx	dy	l	>°
1	-0.85	0.00	0.85	85
2	-0.01	-0.14	0.14	95
3	0.86	0.00	0.86	

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

Poz.	Szt.	d	długość	dbr ds	Typ	forma gięcia	suma dł.	ciężar kg
55	2	14	5.20		A2	50 4.70	10.40	12.584
56	16	10	2.30		A1	2.30	36.80	22.706
57	16	8	2.50		A1	2.50	40.00	15.800
58	3	20	4.40		A1	4.40	13.20	32.604
59	20	10	1.99		A1	-a- Pos. Stk. Länge -a- 1 6 2.10 2.10 2 6 2.00 2.00 3 8 1.90 1.90	39.80	24.557
60	10	10	1.35		A3	62 11 62	13.50	8.329
61	3	20	3.30		A1	3.30	9.90	24.453
62	12	8	3.30		A1	3.30	39.60	15.642
63	12	10	2.00		A1	2.00	24.00	14.808
64	18	8	4.20		A1	4.20	75.60	29.862
65	3	20	5.20		A1	5.20	15.60	38.532
66	4	12	1.93		A1	-a- Pos. Stk. Länge -a- 1 2 2.30 2.30 2 2 1.55 1.55	7.72	6.855
67	2	14	5.20		A1	5.20	10.40	12.584
68	4	14	3.10		A2	50 2.60	12.40	15.004
69	16	8	1.90		A1	1.90	30.40	12.008
70	10	8	2.50		A3	1.19 12 1.19	25.00	9.875
71	2	16	4.60	15	X1	-3- -2- -1- Nr. dx dy l >° 1 2.00 -0.00 1.97 101 2 -0.31 1.53 1.53 79 3 -1.10 0.00 1.10	9.20	14.536
72	3	20	2.30		A1	2.30	6.90	17.043
73	12	8	2.40		A1	2.40	28.80	11.376
74	4	14	3.60		A2	3.10 50	14.40	17.424
75	18	8	2.70		A1	2.70	48.60	19.197
76	3	20	4.20		A1	4.20	12.60	31.122
77	2	8	1.97		A1	-a- Pos. Stk. Länge -a-	3.94	1.556

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

Poz.	Szt.	d	długość	dbr ds	Typ	forma gięcia	suma dł.	ciężar kg
77						Pos. Stk. Länge -a- 1 1 1.60 1.60 2 1 2.35 2.35		
78	2	8	1.30		A3	58 14 58	2.60	1.027
79	2	14	3.50		A1	3.50	7.00	8.470
80	44	6	0.27		D1	6 16	11.88	2.637

masa całk. (kg) 5581.246

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