

Projekt: 2007-052 wydział Biologii Uniwersytetu Gdańskiego

/ K-004

Dane projektu

Tytuł : wydział Biologii Uniwersytetu Gdańskiego
Element : Ściany poz. P0 w osiach 14-16/F'-I' i 14-16/M-P'
Inwestor : Uniwersytet Gdański, 80-952 Gdańsk ul. Jana Bażyńskiego 1A
Rys nr : K-004
Data : 27.02.2008

WYKAZ STALI ZBROJENIOWEJ Klasa stali: BST 500 SA

| Poz. | Nr | d | Długość | całk.dł | masa(kg) |
|------|-----|----|---------|---------|----------|
| 1 | 146 | 12 | 4.80 | 700.80 | 622.310 |
| 2 | 130 | 12 | 4.80 | 624.00 | 554.112 |
| 3 | 96 | 12 | 4.50 | 432.00 | 383.616 |
| 4 | 85 | 12 | 4.50 | 382.50 | 339.660 |
| 5 | 12 | 16 | 12.00 | 144.00 | 227.520 |
| 6 | 12 | 16 | 7.30 | 87.60 | 138.408 |
| 7 | 56 | 10 | 5.50 | 308.00 | 190.036 |
| 8 | 8 | 10 | 3.50 | 28.00 | 17.276 |
| 9 | 80 | 10 | 4.55 | 364.00 | 224.588 |
| 10 | 12 | 10 | 2.55 | 30.60 | 18.880 |
| 11 | 42 | 10 | 5.55 | 233.10 | 143.823 |
| 12 | 8 | 10 | 3.70 | 29.60 | 18.263 |
| 13 | 160 | 10 | 5.60 | 896.00 | 552.832 |
| 14 | 4 | 10 | 3.45 | 13.80 | 8.515 |
| 15 | 80 | 10 | 4.65 | 372.00 | 229.524 |
| 16 | 8 | 10 | 3.25 | 26.00 | 16.042 |
| 17 | 4 | 14 | 4.30 | 17.20 | 20.812 |
| 18 | 79 | 12 | 3.60 | 284.40 | 252.547 |
| 19 | 73 | 12 | 3.30 | 240.90 | 213.919 |
| 20 | 20 | 12 | 2.80 | 56.00 | 49.728 |
| 21 | 20 | 12 | 2.20 | 44.00 | 39.072 |
| 22 | 14 | 12 | 2.00 | 28.00 | 24.864 |
| 23 | 52 | 10 | 1.40 | 72.80 | 44.918 |
| 24 | 6 | 10 | 3.55 | 21.30 | 13.142 |
| 25 | 16 | 10 | 2.05 | 32.80 | 20.238 |
| 26 | 4 | 10 | 1.05 | 4.20 | 2.591 |
| 27 | 10 | 10 | 4.50 | 45.00 | 27.765 |
| 28 | 8 | 10 | 3.00 | 24.00 | 14.808 |
| 29 | 8 | 10 | 1.60 | 12.80 | 7.898 |
| 30 | 37 | 12 | 3.30 | 122.10 | 108.425 |
| 31 | 51 | 12 | 3.60 | 183.60 | 163.037 |
| 32 | 4 | 12 | 4.00 | 16.00 | 14.208 |
| 33 | 4 | 12 | 4.00 | 16.00 | 14.208 |
| 34 | 4 | 12 | 4.40 | 17.60 | 15.629 |
| 35 | 4 | 12 | 4.40 | 17.60 | 15.629 |
| 36 | 4 | 16 | 7.30 | 29.20 | 46.136 |
| 37 | 6 | 10 | 2.85 | 17.10 | 10.551 |
| 38 | 6 | 10 | 2.25 | 13.50 | 8.329 |
| 39 | 88 | 12 | 3.80 | 334.40 | 296.947 |
| 40 | 116 | 12 | 4.10 | 475.60 | 422.333 |
| 41 | 124 | 12 | 1.40 | 173.60 | 154.157 |
| 42 | 24 | 10 | 1.96 | 47.04 | 29.024 |
| 43 | 48 | 10 | 7.10 | 340.80 | 210.274 |
| 44 | 4 | 14 | 2.60 | 10.40 | 12.584 |
| 45 | 6 | 12 | 2.60 | 15.60 | 13.853 |
| 46 | 48 | 12 | 2.90 | 139.20 | 123.610 |
| 47 | 8 | 12 | 3.70 | 29.60 | 26.285 |
| 48 | 4 | 14 | 3.80 | 15.20 | 18.392 |
| 49 | 8 | 16 | 3.70 | 29.60 | 46.768 |
| 50 | 82 | 10 | 4.70 | 385.40 | 237.792 |
| 51 | 4 | 10 | 4.30 | 17.20 | 10.612 |
| 52 | 6 | 10 | 2.90 | 17.40 | 10.736 |
| 53 | 10 | 10 | 2.30 | 23.00 | 14.191 |
| 54 | 89 | 10 | 1.60 | 142.40 | 87.861 |
| 55 | 8 | 16 | 3.80 | 30.40 | 48.032 |
| 56 | 48 | 10 | 5.10 | 244.80 | 151.042 |
| 57 | 4 | 16 | 9.80 | 39.20 | 61.936 |
| 58 | 483 | 6 | 0.27 | 130.41 | 28.951 |
| 59 | 52 | 6 | 0.25 | 13.00 | 2.886 |
| 60 | 74 | 12 | 3.20 | 236.80 | 210.278 |
| 61 | 50 | 12 | 2.00 | 100.00 | 88.800 |
| 62 | 50 | 12 | 1.50 | 75.00 | 66.600 |

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WYKAZ STALI ZBROJENIOWEJ klasa stali: BST 500 SA

| Poz. | Nr | d | Długość | całk.dł | masa(kg) |
|------|----|----|---------|---------|----------|
| 63 | 10 | 14 | 1.60 | 16.00 | 19.360 |
| 64 | 4 | 14 | 2.50 | 10.00 | 12.100 |
| 65 | 8 | 14 | 2.50 | 20.00 | 24.200 |
| 66 | 24 | 10 | 1.30 | 31.20 | 19.250 |
| 67 | 8 | 10 | 1.10 | 8.80 | 5.430 |
| 68 | 4 | 10 | 1.00 | 4.00 | 2.468 |
| 69 | 4 | 14 | 4.30 | 17.20 | 20.812 |
| 70 | 4 | 10 | 1.22 | 4.88 | 3.011 |

| Całk. ilość stali | d(mm) | całk.dł | kg/m | masa(kg) |
|-------------------|-------|---------|-------|----------|
| 6 | | 143.41 | 0.222 | 31.837 |
| 10 | | 3811.52 | 0.617 | 2351.708 |
| 12 | | 4745.30 | 0.888 | 4213.826 |
| 14 | | 106.00 | 1.210 | 128.260 |
| 16 | | 360.00 | 1.580 | 568.800 |
| masa całk. (kg) | | | | 7294.431 |

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Dane projektu

Tytuł : wydział Biologii Uniwersytetu Gdańskiego
Element : Ściany poz. P0 w osiach 14-16/F'-I' i 14-16/M-P'
Inwestor : Uniwersytet Gdański, 80-952 Gdańsk ul. Jana Bażyńskiego 1A
Rys nr : K-004
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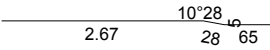
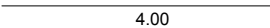
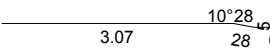
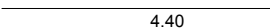
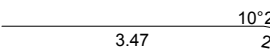

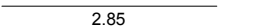
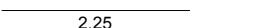
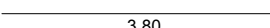
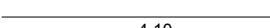
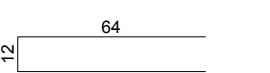
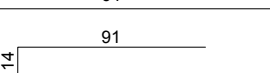

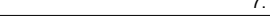
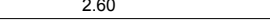

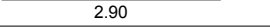
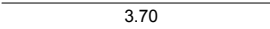
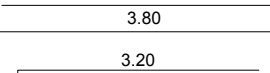


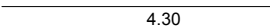
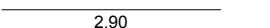
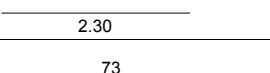
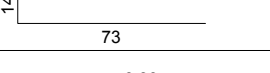

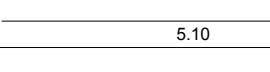
WYKAZ FORM GIĘCIA PRĘTÓW ZBROJ. Klasa stali: BST 500 SA

| Poz. | szt. | d | długość | dbr ds | typ | forma gięcia | suma dł. | ciężar kg |
|------|------|----|---------|-----------|-----|-------------------------------------|----------|--------------|
| 1 | 146 | 12 | 4.80 | | A1 | _____4.80_____ | 700.80 | 622.310 |
| 2 | 130 | 12 | 4.80 | | C2 | _____10°28'_____3.86_____28 66_____ | 624.00 | 554.112 |
| 3 | 96 | 12 | 4.50 | | A1 | _____4.50_____ | 432.00 | 383.616 |
| 4 | 85 | 12 | 4.50 | | C2 | _____10°28'_____3.56_____28 66_____ | 382.50 | 339.660 |
| 5 | 12 | 16 | 12.00 | | A1 | _____12.00_____ | 144.00 | 227.520 |
| 6 | 12 | 16 | 7.30 | | A2 | 30 _____7.00_____ | 87.60 | 138.408 |
| 7 | 56 | 10 | 5.50 | | A1 | _____5.50_____ | 308.00 | 190.036 |
| 8 | 8 | 10 | 3.50 | | A1 | _____3.50_____ | 28.00 | 17.276 |
| 9 | 80 | 10 | 4.55 | | A1 | _____4.55_____ | 364.00 | 224.588 |
| 10 | 12 | 10 | 2.55 | | A1 | _____2.55_____ | 30.60 | 18.880 |
| 11 | 42 | 10 | 5.55 | | A1 | _____5.55_____ | 233.10 | 143.823 |
| 12 | 8 | 10 | 3.70 | | A1 | _____3.70_____ | 29.60 | 18.263 |
| 13 | 160 | 10 | 5.60 | | A1 | _____5.60_____ | 896.00 | 552.832 |
| 14 | 4 | 10 | 3.45 | | A1 | _____3.45_____ | 13.80 | 8.515 |
| 15 | 80 | 10 | 4.65 | | A1 | _____4.65_____ | 372.00 | 229.524 |
| 16 | 8 | 10 | 3.25 | | A1 | _____3.25_____ | 26.00 | 16.042 |
| 17 | 4 | 14 | 4.30 | | A1 | _____4.30_____ | 17.20 | 20.812 |
| 18 | 79 | 12 | 3.60 | | A1 | _____3.60_____ | 284.40 | 252.547 |
| 19 | 73 | 12 | 3.30 | | A1 | _____3.30_____ | 240.90 | 213.919 |
| 20 | 20 | 12 | 2.80 | | A1 | _____2.80_____ | 56.00 | 49.728 |
| 21 | 20 | 12 | 2.20 | | A1 | _____2.20_____ | 44.00 | 39.072 |
| 22 | 14 | 12 | 2.00 | | A1 | _____2.00_____ | 28.00 | 24.864 |
| 23 | 52 | 10 | 1.40 | | A1 | _____1.40_____ | 72.80 | 44.918 |
| 24 | 6 | 10 | 3.55 | | A1 | _____3.55_____ | 21.30 | 13.142 |
| 25 | 16 | 10 | 2.05 | | A1 | _____2.05_____ | 32.80 | 20.238 |
| 26 | 4 | 10 | 1.05 | | A1 | _____1.05_____ | 4.20 | 2.591 |
| 27 | 10 | 10 | 4.50 | | A1 | _____4.50_____ | 45.00 | 27.765 |
| 28 | 8 | 10 | 3.00 | | A1 | _____3.00_____ | 24.00 | 14.808 |
| 29 | 8 | 10 | 1.60 | | A1 | _____1.60_____ | 12.80 | 7.898 |
| 30 | 37 | 12 | 3.30 | | C2 | _____10°28'_____2.37_____28 65_____ | 122.10 | 108.425 |

Projekt: 2007-052 wydział Biologii Uniwersytetu Gdańskiego

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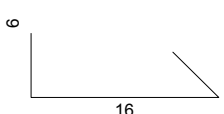

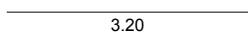
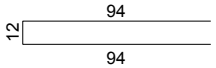
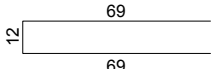
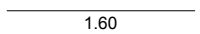
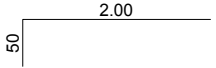
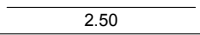
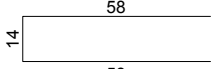
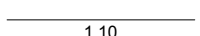
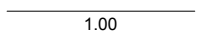
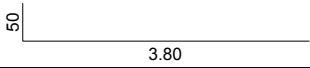

WYKAZ FORM GIĘCIA PRĘTÓW ZBROJ. Klasa stali: BST 500 SA

| Poz. | szt. | d | długość | obr ds | typ | forma gięcia | suma dł. | ciężar kg |
|------|------|----|---------|-----------|-----|---|----------|--------------|
| 31 | 51 | 12 | 3.60 | | C2 |  | 183.60 | 163.037 |
| 32 | 4 | 12 | 4.00 | | A1 |  | 16.00 | 14.208 |
| 33 | 4 | 12 | 4.00 | | C2 |  | 16.00 | 14.208 |
| 34 | 4 | 12 | 4.40 | | A1 |  | 17.60 | 15.629 |
| 35 | 4 | 12 | 4.40 | | C2 |  | 17.60 | 15.629 |
| 36 | 4 | 16 | 7.30 | | A2 |  | 29.20 | 46.136 |
| 37 | 6 | 10 | 2.85 | | A1 |  | 17.10 | 10.551 |
| 38 | 6 | 10 | 2.25 | | A1 |  | 13.50 | 8.329 |
| 39 | 88 | 12 | 3.80 | | A1 |  | 334.40 | 296.947 |
| 40 | 116 | 12 | 4.10 | | A1 |  | 475.60 | 422.333 |
| 41 | 124 | 12 | 1.40 | | A3 |  | 173.60 | 154.157 |
| 42 | 24 | 10 | 1.96 | | A3 |  | 47.04 | 29.024 |
| 43 | 48 | 10 | 7.10 | | A1 |  | 340.80 | 210.274 |
| 44 | 4 | 14 | 2.60 | | A1 |  | 10.40 | 12.584 |
| 45 | 6 | 12 | 2.60 | | A1 |  | 15.60 | 13.853 |
| 46 | 48 | 12 | 2.90 | | A1 |  | 139.20 | 123.610 |
| 47 | 8 | 12 | 3.70 | | A1 |  | 29.60 | 26.285 |
| 48 | 4 | 14 | 3.80 | | A1 |  | 15.20 | 18.392 |
| 49 | 8 | 16 | 3.70 | | A2 |  | 29.60 | 46.768 |
| 50 | 82 | 10 | 4.70 | | A1 |  | 385.40 | 237.792 |
| 51 | 4 | 10 | 4.30 | | A1 |  | 17.20 | 10.612 |
| 52 | 6 | 10 | 2.90 | | A1 |  | 17.40 | 10.736 |
| 53 | 10 | 10 | 2.30 | | A1 |  | 23.00 | 14.191 |
| 54 | 89 | 10 | 1.60 | | A3 |  | 142.40 | 87.861 |
| 55 | 8 | 16 | 3.80 | | A2 |  | 30.40 | 48.032 |
| 56 | 48 | 10 | 5.10 | | A1 |  | 244.80 | 151.042 |
| 57 | 4 | 16 | 9.80 | | A2 |  | 39.20 | 61.936 |

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|------|------|----|---------|-----------|-----|--|----------|--------------|
| 58 | 483 | 6 | 0.27 | | D1 |  | 130.41 | 28.951 |
| 59 | 52 | 6 | 0.25 | | D1 |  | 13.00 | 2.886 |
| 60 | 74 | 12 | 3.20 | | A1 |  | 236.80 | 210.278 |
| 61 | 50 | 12 | 2.00 | | A3 |  | 100.00 | 88.800 |
| 62 | 50 | 12 | 1.50 | | A3 |  | 75.00 | 66.600 |
| 63 | 10 | 14 | 1.60 | | A1 |  | 16.00 | 19.360 |
| 64 | 4 | 14 | 2.50 | | A2 |  | 10.00 | 12.100 |
| 65 | 8 | 14 | 2.50 | | A1 |  | 20.00 | 24.200 |
| 66 | 24 | 10 | 1.30 | | A3 |  | 31.20 | 19.250 |
| 67 | 8 | 10 | 1.10 | | A1 |  | 8.80 | 5.430 |
| 68 | 4 | 10 | 1.00 | | A1 |  | 4.00 | 2.468 |
| 69 | 4 | 14 | 4.30 | | A2 |  | 17.20 | 20.812 |
| 70 | 4 | 10 | 1.22 | | B2 |  kąt 0 stopni | 4.88 | 3.011 |

masa całkow. (kg) 7294.431