

| | | | | | | | |
|----------|------|---------------------------------|-----------------|---------|---------------|------------|----------|
| | | Wykaz stali 10.10.2024 | | | | | |
| | | | | | Liczba stron: | | |
| Element: | | Centrum Badawczo-Rozwojowe | | | Wykonał: | | |
| | | Konstrukcja przyziemia | | | Sprawdził: | | |
| Pozycja | | Przedmiot | Długość [mm] | 1 m | Masa [kg] | na 1 elem. | Uwagi |
| nr | szt. | | | | 1 sztuki | | |
| | | | | | | | |
| | | El. Marka stalowa MS1 - szt.= 8 | | | | | |
| | 1 | Bl. 12 x 620 | 1 020 | 58,40 | 59,57 | 59,57 | S355 |
| | 4 | Bl. 25 x 120 | 620 | 23,55 | 14,60 | 58,40 | S355 |
| | 4 | Bl. 8 x 100 | 500 | 6,28 | 3,14 | 12,56 | S355 |
| | 16 | Pręt gwintowany M42 | 1 200 | 9,40 | 11,28 | 180,48 | S355 |
| | 32 | Nakrętka M42 | | | 0,70 | 22,4 | |
| | 16 | Podkładka Ø 43 | | | 0,20 | 3,2 | |
| | | | | Wykonać | 8 x | 336,62 | 2 692,9 |
| | | | | | | | |
| | | El. Marka stalowa MS2 - szt.= 8 | | | | | |
| | 1 | Bl. 12 x 720 | 1 420 | 67,82 | 96,31 | 96,31 | S355 |
| | 4 | Bl. 26 x 120 | 620 | 24,49 | 15,19 | 60,74 | S355 |
| | 4 | Bl. 8 x 100 | 500 | 6,28 | 3,14 | 12,56 | S355 |
| | 16 | Pręt gwintowany M42 | 1 200 | 9,40 | 11,28 | 180,48 | S355 |
| | 32 | Nakrętka M42 | | | 0,70 | 22,4 | |
| | 16 | Podkładka Ø 43 | | | 0,20 | 3,2 | |
| | | | | Wykonać | 8 x | 375,69 | 3 005,5 |
| | | | | | | | |
| | | El. Słup S1- szt.= 4 | | | | | |
| | 1 | HEB 700 | 7300 | 241,00 | 1759,30 | 1759,30 | S355 |
| | 1 | HEA 400 | 4330 | 125,00 | 541,25 | 541,25 | S355 |
| | 1 | Bl. 40 x 600 | 1 000 | 188,40 | 188,40 | 188,40 | S355 |
| | 5 | Bl. 25 x 200 | 400 | 39,25 | 15,70 | 78,50 | S355 |
| | 6 | Bl. 25 x 350 | 400 | 68,69 | 27,48 | 164,85 | S355 |
| | 1 | Bl. 30 x 300 | 1 325 | 70,65 | 93,61 | 93,61 | S355 |
| | 1 | Bl. 20 x 675 | 1 075 | 105,98 | 113,92 | 113,92 | S355 |
| | 1 | Bl. 20 x 300 | 955 | 47,10 | 44,98 | 44,98 | S355 |
| | 1 | Bl. 24 x 300 | 400 | 56,52 | 22,61 | 22,61 | S355 |
| | 1 | Bl. 12 x 300 | 800 | 28,26 | 22,61 | 22,61 | S355 |
| | 1 | Bl. 20 x 300 | 800 | 47,10 | 37,68 | 37,68 | S355 |
| | | | | Wykonać | 4 x | 3 067,71 | 12 270,8 |
| | | | | | | | |
| | | El. Słup S2- szt.= 4 | | | | | |
| | 1 | HEB 650 | 7300 | 225,00 | 1642,50 | 1642,50 | S355 |
| | 1 | HEA 360 | 4330 | 112,00 | 484,96 | 484,96 | S355 |
| | 1 | Bl. 40 x 600 | 1 000 | 188,40 | 188,40 | 188,40 | S355 |
| | 5 | Bl. 25 x 200 | 400 | 39,25 | 15,70 | 78,50 | S355 |
| | 6 | Bl. 25 x 350 | 400 | 68,69 | 27,48 | 164,85 | S355 |
| | 1 | Bl. 30 x 300 | 1 325 | 70,65 | 93,61 | 93,61 | S355 |
| | 1 | Bl. 20 x 675 | 1 075 | 105,98 | 113,92 | 113,92 | S355 |
| | 1 | Bl. 20 x 300 | 955 | 47,10 | 44,98 | 44,98 | S355 |
| | 1 | Bl. 24 x 300 | 400 | 56,52 | 22,61 | 22,61 | S355 |
| | 1 | Bl. 12 x 300 | 800 | 28,26 | 22,61 | 22,61 | S355 |
| | 1 | Bl. 20 x 300 | 800 | 47,10 | 37,68 | 37,68 | S355 |
| | | | | Wykonać | 4 x | 2 894,62 | 11 578,5 |

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| Element: | | Centrum Badawczo-Rozwojowe | | | Wykonał: | | |
| | | Konstrukcja przyziemia | | | Sprawdził: | | |
| Pozycja | | Przedmiot | Długość [mm] | Masa [kg] | | | Uwagi |
| nr | szt. | | | 1 m | 1 sztuki | na 1 elem. | |
| | | | | | | | |
| | | El. Stup S3- szt.= 4 | | | | | |
| | 1 | HEB 900 | 11250 | 291,00 | 3273,75 | 3273,75 | S355 |
| | 1 | HEA 400 | 3800 | 125,00 | 475,00 | 475,00 | S355 |
| | 1 | HEA 400 | 600 | 125,00 | 75,00 | 75,00 | S355 |
| | 1 | Bl. 40 x 700 | 1 400 | 219,80 | 307,72 | 307,72 | S355 |
| | 5 | Bl. 25 x 200 | 400 | 39,25 | 15,70 | 78,50 | S355 |
| | 6 | Bl. 25 x 350 | 400 | 68,69 | 27,48 | 164,85 | S355 |
| | 1 | Bl. 30 x 300 | 1 000 | 70,65 | 70,65 | 70,65 | S355 |
| | 1 | Bl. 24 x 300 | 400 | 56,52 | 22,61 | 22,61 | S355 |
| | 1 | Bl. 12 x 300 | 400 | 28,26 | 11,30 | 11,30 | S355 |
| | 1 | Bl. 12 x 400 | 600 | 37,68 | 22,61 | 22,61 | S355 |
| | 6 | Bl. 16 x 900 | 150 | 113,04 | 16,96 | 101,74 | S355 |
| | | | | Wykonać | 4 x | 4 603,73 | 18 414,9 |
| | | El. Stup S4- szt.= 4 | | | | | |
| | 2 | HEB 400 | 11250 | 155,00 | 1743,75 | 3487,50 | S355 |
| | 4 | C 400 | 1550 | 71,80 | 111,29 | 445,16 | S355 |
| | 1 | HEA 400 | 3250 | 125,00 | 406,25 | 406,25 | S355 |
| | 24 | L 100x100x6 | 1270 | 9,26 | 11,76 | 282,24 | S355 |
| | 1 | R.P 150x100x4 | 3600 | 15,20 | 54,72 | 54,72 | S355 |
| | 1 | Bl. 30 x 800 | 1 600 | 188,40 | 301,44 | 301,44 | S355 |
| | 1 | Bl. 30 x 400 | 1 600 | 94,20 | 150,72 | 150,72 | S355 |
| | 5 | Bl. 20 x 200 | 400 | 31,40 | 12,56 | 62,80 | S355 |
| | 6 | Bl. 20 x 350 | 400 | 54,95 | 21,98 | 131,88 | S355 |
| | 1 | Bl. 30 x 420 | 1 550 | 98,91 | 153,31 | 153,31 | S355 |
| | 1 | Bl. 20 x 675 | 1 075 | 105,98 | 113,92 | 113,92 | S355 |
| | 1 | Bl. 20 x 300 | 955 | 47,10 | 44,98 | 44,98 | S355 |
| | | | | Wykonać | 4 x | 5 634,93 | 22 539,7 |
| | | El. Stup S5- szt.= 1 | | | | | |
| | 1 | HEB 400 | 13600 | 155,00 | 2108,00 | 2108,00 | S355 |
| | 1 | Bl. 30 x 600 | 700 | 141,30 | 98,91 | 98,91 | S355 |
| | 5 | Bl. 20 x 200 | 400 | 31,40 | 12,56 | 62,80 | S355 |
| | 4 | Bl. 20 x 350 | 400 | 54,95 | 21,98 | 87,92 | S355 |
| | 1 | Bl. 24 x 300 | 400 | 56,52 | 22,61 | 22,61 | S355 |
| | | | | Wykonać | 1 x | 2 380,24 | 2 380,2 |
| | | El. Belka podsuwnicowa BP1- szt.= 12 | | | | | |
| | 1 | HEB 900 | 12000 | 291,00 | 3492,00 | 3492,00 | S355 |
| | 1 | C 160 | 12000 | 18,80 | 225,60 | 225,60 | S355 |
| | 7 | L 60x60x6 | 800 | 5,42 | 4,34 | 30,35 | S355 |
| | 7 | L 60x60x6 | 1050 | 5,42 | 5,69 | 39,84 | S355 |
| | 12,6 | Blacha żeberkowa-owal – 1050x1200 - gr.6mm | | | 49,8 | 627,48 | S235J+AR |

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| | | Konstrukcja przyziemia | | | Sprawdził: | | |
| Pozycja | | Przedmiot | Długość [mm] | Masa [kg] | | | Uwagi |
| nr | szt. | | | 1 m | 1 sztuki | na 1 elem. | |
| | | 2 Bl. 30 x 300 | 1 000 | 70,65 | 70,65 | 141,30 | S355 |
| | | 14 Bl. 16 x 200 | 400 | 25,12 | 10,05 | 140,67 | S355 |
| | | 6 Bl. 25 x 150 | 800 | 29,44 | 23,55 | 141,30 | S355 |
| | | | | Wykonać | 12 x | 4 838,54 | 58 062,5 |
| El. Belka podsuwnicowa BP2- szt.= 6 | | | | | | | |
| | | 1 HEB 900 | 12000 | 291,00 | 3492,00 | 3492,00 | S355 |
| | | 1 C 160 | 12000 | 18,80 | 225,60 | 225,60 | S355 |
| | | 7 L 60x60x6 | 800 | 5,42 | 4,34 | 30,35 | S355 |
| | | 7 L 60x60x6 | 500 | 5,42 | 2,71 | 18,97 | S355 |
| | | 6 Blacha żeberkowa-owal – 500x1200 - gr.6mm | | | 49,8 | 298,80 | S235J+AR |
| | | 2 Bl. 30 x 300 | 1 000 | 70,65 | 70,65 | 141,30 | S355 |
| | | 14 Bl. 16 x 200 | 400 | 25,12 | 10,05 | 140,67 | S355 |
| | | 6 Bl. 25 x 150 | 800 | 29,44 | 23,55 | 141,30 | S355 |
| | | | | Wykonać | 6 x | 4 488,99 | 26 934,0 |
| El. Stężenie pionowe STP1- szt.= 2 | | | | | | | |
| | | 2 R.K 120x5 | 7500 | 17,50 | 131,25 | 262,50 | S355 |
| | | 2 R.K 140x5 | 9500 | 20,70 | 196,65 | 393,30 | S355 |
| | | 2 R.K 140x5 | 12000 | 20,70 | 248,40 | 496,80 | S355 |
| | | 12 R.K 80x4 | 1000 | 9,22 | 9,22 | 110,64 | S355 |
| | | | | Wykonać | 2 x | 1 263,24 | 2 526,5 |
| El. Stężenie pionowe STP2- szt.= 3 | | | | | | | |
| | | 1 R.K 120x5 | 12000 | 17,50 | 210,00 | 210,00 | S355 |
| | | 2 R.K 140x5 | 9500 | 20,70 | 196,65 | 393,30 | S355 |
| | | 3 R.K 140x5 | 12000 | 20,70 | 248,40 | 745,20 | S355 |
| | | 2 R.K 100x4 | 7000 | 11,70 | 81,90 | 163,80 | S355 |
| | | 2 R.K 100x4 | 6000 | 11,70 | 70,20 | 140,40 | S355 |
| | | | | Wykonać | 3 x | 1 652,70 | 4 958,1 |
| El. Stężenie STP3- szt.= 1 | | | | | | | |
| | | 4 Pręt fi 24 | 6000 | 2,50 | 15,00 | 60,00 | S355 |
| | | 4 Pręt fi 24 | 3500 | 2,50 | 8,75 | 35,00 | S355 |
| | | 4 Bl. 12 x 120 | 300 | 11,30 | 3,39 | 13,56 | S355 |
| | | 4 Śruba M20 x 65 | kl. 8.8 | | 0,232001 | 0,9 | DIN 931 |
| | | 4 Nakrętka M20 | | | 0,06 | 0,3 | |
| | | 8 Podkładka Ø 21 | | | 0,02 | 0,1 | |
| | | 2 Nakrętka napinająca Ø 24 | | | 0,42 | 0,8 | DIN 1478 |
| | | | | Wykonać | 1 x | 110,72 | 110,7 |
| El. Słup Ryglowy SR1- szt.= 4 | | | | | | | |
| | | 1 HEA 300 | 11250 | 88,30 | 993,38 | 993,38 | S355 |
| | | 1 R.P 150x100x4 | 2500 | 15,20 | 38,00 | 38,00 | S355 |

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| | | Konstrukcja przyziemia | | | Sprawdził: | | |
| Pozycja | | Przedmiot | Długość [mm] | Masa [kg] | | | Uwagi |
| nr | szt. | | | 1 m | 1 sztuki | na 1 elem. | |
| | 1 | Bl. 20 x 300 | 300 | 47,10 | 14,13 | 14,13 | S355 |
| | 1 | Bl. 16 x 300 | 300 | 37,68 | 11,30 | 11,30 | S355 |
| | 1 | Bl. 5 x 100 | 150 | 3,93 | 0,59 | 0,59 | S355 |
| | 4 | Pręt fi20 x 500 klasy 10.9 | | | | | |
| | | Zaprawa iniekcyjna FIS VT 380 C | | | | | |
| | | | | Wykonać | x | 1 057,40 | 4 229,6 |
| | | El. Słup Ryglowy SR2- szt.= 7 | | | | | |
| | 1 | HEA 180 | 12000 | 35,50 | 426,00 | 426,00 | S355 |
| | 1 | Bl. 16 x 200 | 200 | 25,12 | 5,02 | 5,02 | S355 |
| | 1 | Bl. 8 x 80 | 1 000 | 5,02 | 5,02 | 5,02 | S355 |
| | 1 | Bl. 8 x 150 | 1 000 | 9,42 | 9,42 | 9,42 | S355 |
| | 4 | Pręt fi20 x 500 klasy 10.9 | | | | | |
| | | Zaprawa iniekcyjna FIS VT 380 C | | | | | |
| | | | | Wykonać | x | 445,47 | 3 118,3 |
| | | El. Słup Ryglowy SR3- szt.= 7 | | | | | |
| | 1 | HEA 220 | 15000 | 50,50 | 757,50 | 757,50 | S355 |
| | 1 | Bl. 16 x 200 | 200 | 25,12 | 5,02 | 5,02 | S355 |
| | 1 | Bl. 8 x 80 | 1 000 | 5,02 | 5,02 | 5,02 | S355 |
| | 1 | Bl. 8 x 150 | 1 000 | 9,42 | 9,42 | 9,42 | S355 |
| | 4 | Pręt fi20 x 500 klasy 10.9 | | | | | |
| | | Zaprawa iniekcyjna FIS VT 380 C | | | | | |
| | | | | Wykonać | x | 776,97 | 5 438,8 |
| | | El. Słup Ryglowy SR4- szt.= 4 | | | | | |
| | 1 | HEA 300 | 15000 | 88,30 | 1324,50 | 1324,50 | S355 |
| | 1 | Bl. 24 x 320 | 320 | 60,29 | 19,29 | 19,29 | S355 |
| | 1 | Bl. 8 x 80 | 1 000 | 5,02 | 5,02 | 5,02 | S355 |
| | 1 | Bl. 8 x 150 | 1 000 | 9,42 | 9,42 | 9,42 | S355 |
| | 4 | Pręt fi20 x 500 klasy 10.9 | | | | | |
| | | Zaprawa iniekcyjna FIS VT 380 C | | | | | |
| | | | | Wykonać | x | 1 358,24 | 5 432,9 |
| | | El. Antresola ANT1- szt.= 1 | | | | | |
| | 10 | C 180 | 12000 | 22,00 | 264,00 | 2640,00 | S355 |
| | 2 | C 180 | 6000 | 22,00 | 132,00 | 264,00 | S355 |
| | 112 | Blacha żeberkowa-owal – 1700x12000 -gr.6mm | | | 49,8 | 5587,56 | S235J+AR |
| | 66 | R.K 60x4 | 1700 | 6,71 | 11,41 | 752,86 | S355 |
| | 66 | R.K 80x4 | 2400 | 9,22 | 22,13 | 1460,45 | S355 |
| | 10 | R.K 50x3 | 12000 | 4,25 | 51,00 | 510,00 | S355 |
| | 2 | R.K 50x3 | 6000 | 4,25 | 25,50 | 51,00 | S355 |
| | 66 | R.K 50x3 | 1300 | 4,25 | 5,53 | 364,65 | S355 |
| | | | | Wykonać | x | 11 630,52 | 11 630,5 |

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| | | Konstrukcja przyziemia | | | Sprawdził: | | |
| Pozycja | | Przedmiot | Długość [mm] | Masa [kg] | | | Uwagi |
| nr | szt. | | | 1 m | 1 sztuki | na 1 elem. | |
| | | | | | | | |
| | | El. Pomieszczenia - szt.= 1 | | | | | |
| | 10 | R.K 100x4 | 4000 | 11,70 | 46,80 | 468,00 | S355 |
| | 1 | R.K 100x4 | 12000 | 11,70 | 140,40 | 140,40 | S355 |
| | 1 | R.K 100x4 | 10000 | 11,70 | 117,00 | 117,00 | S355 |
| | 1 | R.K 100x4 | 3000 | 11,70 | 35,10 | 35,10 | S355 |
| | 1 | R.P 150x100x4 | 7000 | 15,20 | 106,40 | 106,40 | S355 |
| | 9 | R.K 120x4 | 4000 | 14,20 | 56,80 | 511,20 | S355 |
| | 10 | R.K 120x4 | 5600 | 14,20 | 79,52 | 795,20 | S355 |
| | 3 | R.K 120x4 | 9000 | 14,20 | 127,80 | 383,40 | S355 |
| | 2 | R.K 120x4 | 8000 | 14,20 | 113,60 | 227,20 | S355 |
| | 2 | R.P 200x150x6 | 9000 | 31,84 | 286,56 | 573,12 | S355 |
| | | | | Wykonać | 1 x | 3 357,02 | 3 357,0 |
| | | El. Ryglówka - szt.= 1 | | | | | |
| | 4 | R.K 100x4 | 4500 | 11,70 | 52,65 | 210,60 | S355 |
| | 9 | R.K 100x4 | 6000 | 11,70 | 70,20 | 631,80 | S355 |
| | 4 | R.K 100x4 | 5000 | 11,70 | 58,50 | 234,00 | S355 |
| | 4 | R.K 100x4 | 1000 | 11,70 | 11,70 | 46,80 | S355 |
| | | | | Wykonać | 1 x | 1 123,20 | 1 123,2 |
| | | El. Drabina zewnętrzna DZ1 - szt.= 1 | | | | | |
| | 2 | R.K 50x4 | 15800 | 5,45 | 86,11 | 172,22 | S235 |
| | 20 | Bl. 5 x 60 | 2 052 | 2,36 | 4,83 | 96,65 | S235 |
| | 5 | Bl. 5 x 60 | 13 830 | 2,36 | 32,57 | 162,85 | S235 |
| | 48 | Szczelble antypoślizgowe 3x35x25x35 L=500mm | | | | | |
| | 4 | Bl. 5 x 50 | 50 | 1,96 | 0,10 | 0,39 | S235 |
| | | | | Wykonać | 15800 x | 432,11 | 432,1 |
| | | El. Drabina zewnętrzna DZ1 - szt.= 1 | | | | | |
| | 2 | R.K 50x4 | 4800 | 5,45 | 26,16 | 52,32 | S235 |
| | 6 | Bl. 5 x 60 | 2 052 | 2,36 | 4,83 | 28,99 | S235 |
| | 5 | Bl. 5 x 60 | 2 830 | 2,36 | 6,66 | 33,32 | S235 |
| | 12 | Szczelble antypoślizgowe 3x35x25x35 L=500mm | | | | | |
| | 4 | Bl. 5 x 50 | 50 | 1,96 | 0,10 | 0,39 | S235 |
| | | | | Wykonać | 4800 x | 115,03 | 115,0 |
| | | El. Drabina zewnętrzna DZ1 - szt.= 1 | | | | | |
| | 2 | R.K 50x4 | 3800 | 5,45 | 20,71 | 41,42 | S235 |
| | 5 | Bl. 5 x 60 | 2 052 | 2,36 | 4,83 | 24,16 | S235 |
| | 5 | Bl. 5 x 60 | 1 830 | 2,36 | 4,31 | 21,55 | S235 |
| | 9 | Szczelble antypoślizgowe 3x35x25x35 L=500mm | | | | | |
| | 4 | Bl. 5 x 50 | 50 | 1,96 | 0,10 | 0,39 | S235 |
| | | | | Wykonać | 3800 x | 87,52 | 87,5 |

| | | | | | | | | |
|----------|------|----------------------------|------------------------|--------------------|------------|---------------|-------|-----------|
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| Element: | | Centrum Badawczo-Rozwojowe | | | Wykonał: | | | |
| | | Konstrukcja przyziemia | | | Sprawdził: | | | |
| Pozycja | | Przedmiot | Długość [mm] | Masa [kg] | | | Uwagi | |
| nr | szt. | | | 1 m | 1 sztuki | na 1 elem. | | |
| | | | | | | | | |
| | | | | Ciężar razem w kg | | | | 200 439,4 |
| | | | | Dodatek 10% | | | | 20044 |
| | | | | Ciężar ogółem w kg | | | | 220 483 |