

ZESTAWIENIE STALI ZBROJENIOWEJ

| Poz.                              | szt | Lp. | Stal [φ, #] |       | Dł. [m] | Ilość   |       |       | Długość łączna [m] |        |         |         |
|-----------------------------------|-----|-----|-------------|-------|---------|---------|-------|-------|--------------------|--------|---------|---------|
|                                   |     |     | A-0         | A-III |         | w elem. | elem. | razem | A-0                |        | A-III   |         |
|                                   |     |     |             |       |         |         |       |       | φ 6                | φ 8    | # 12    | # 16    |
| Poz. 24.23                        | 1   | 1   |             | 16    | 11,88   | 4       | 1     | 4     |                    |        |         | 47,52   |
|                                   |     | 2   | 8           |       | 1,20    | 37      | 1     | 37    |                    | 44,40  |         |         |
|                                   |     | 3   | 6           |       | 11,88   | 8       | 1     | 8     | 95,04              |        |         |         |
|                                   |     | 4   |             | 16    | 2,40    | 44      | 1     | 44    |                    |        |         | 105,60  |
| Poz.24.9                          | 1   | 5   |             | 12    | 1,40    | 16      | 1     | 16    |                    |        | 22,40   |         |
| Poz.24.1                          | 2   | 6   |             | 16    | 2,70    | 30      | 2     | 60    |                    |        |         | 162,00  |
|                                   |     | 34  |             | 16    | 0,70    | 10      | 2     | 20    |                    |        |         | 14,00   |
|                                   |     | 35  | 8           |       | 2,50    | 2       | 2     | 4     |                    | 10,00  |         |         |
|                                   |     | 36  | 8           |       | 1,96    | 2       | 2     | 4     |                    | 7,84   |         |         |
| Poz.24.4                          | 1   | 7   |             | 12    | 1,20    | 14      | 1     | 14    |                    |        | 16,80   |         |
| Poz.24.2                          | 1   | 8   |             | 12    | 2,00    | 23      | 1     | 23    |                    |        | 46,00   |         |
|                                   |     | 9   |             | 12    | 4,45    | 11      | 1     | 11    |                    |        | 48,95   |         |
|                                   |     | 34  |             | 16    | 0,70    | 10      | 1     | 10    |                    |        |         | 7,00    |
|                                   |     | 35  | 8           |       | 2,50    | 2       | 1     | 2     |                    | 5,00   |         |         |
|                                   |     | 36  | 8           |       | 1,96    | 2       | 1     | 2     |                    | 3,92   |         |         |
| Poz. 24.2.1                       | 1   | 8   |             | 12    | 2,00    | 23      | 1     | 23    |                    |        | 46,00   |         |
|                                   |     | 10  |             | 12    | 6,00    | 11      | 1     | 11    |                    |        | 66,00   |         |
|                                   |     | 34  |             | 16    | 0,70    | 10      | 1     | 10    |                    |        |         | 7,00    |
|                                   |     | 35  | 8           |       | 2,50    | 2       | 1     | 2     |                    | 5,00   |         |         |
|                                   |     | 36  | 8           |       | 1,96    | 2       | 1     | 2     |                    | 3,92   |         |         |
| Poz.24.3                          | 7   | 1   |             | 16    | 1,20    | 4       | 7     | 28    |                    |        |         | 33,60   |
|                                   |     | 2   | 8           |       | 1,20    | 5       | 7     | 35    |                    | 42,00  |         |         |
|                                   |     | 11  |             | 12    | 1,10    | 4       | 7     | 28    |                    |        | 30,80   |         |
|                                   |     | 12  |             | 12    | 0,40    | 7       | 7     | 49    |                    |        | 19,60   |         |
| Poz.24.5,24.8                     | 3   | 13  |             | 12    | 1,40    | 16      | 3     | 48    |                    |        | 67,20   |         |
| Poz.24.6,24.12                    | 2   | 14  |             | 12    | 1,70    | 20      | 2     | 40    |                    |        | 68,00   |         |
| Poz.24.10                         | 1   | 15  |             | 16    | 2,40    | 28      | 1     | 28    |                    |        |         | 67,20   |
| 24.11,24.14,24.17,24.21.2         | 5   | 16  |             | 12    | 0,90    | 12      | 5     | 60    |                    |        | 54,00   |         |
| Poz.24.13                         | 1   | 17  |             | 12    | 1,30    | 16      | 1     | 16    |                    |        | 20,80   |         |
| Poz.24.15                         | 1   | 18  |             | 12    | 1,20    | 14      | 1     | 14    |                    |        | 16,80   |         |
| 24.18 , 24.20 , 24.21.1           | 5   | 19  |             | 12    | 0,80    | 10      | 5     | 50    |                    |        | 40,00   |         |
| Poz.24.19                         | 4   | 19  |             | 12    | 0,80    | 3       | 4     | 12    |                    |        | 9,60    |         |
|                                   |     | 20  |             | 12    | 0,40    | 5       | 4     | 20    |                    |        | 8,00    |         |
| Poz.24.21.3 , 24.21.4             | 2   | 1   |             | 16    | 2,00    | 4       | 2     | 8     |                    |        |         | 16,00   |
|                                   |     | 2   | 8           |       | 1,20    | 8       | 2     | 16    |                    | 19,20  |         |         |
|                                   |     | 19  |             | 12    | 0,80    | 10      | 2     | 20    |                    |        | 16,00   |         |
| Poz.24.22                         | 1   | 1   |             | 16    | 15,09   | 4       | 1     | 4     |                    |        |         | 60,37   |
|                                   |     | 2   | 8           |       | 1,20    | 47      | 1     | 47    |                    | 56,40  |         |         |
|                                   |     | 3   | 6           |       | 3,40    | 2       | 1     | 2     | 6,80               |        |         |         |
|                                   |     | 21  |             | 12    | 0,70    | 17      | 1     | 17    |                    |        | 11,90   |         |
| 24.25,24.29,24.32,24.40           | 1   | 1   |             | 16    | 34,34   | 4       | 1     | 4     |                    |        |         | 137,37  |
| Poz.24.24                         | 1   | 2   | 8           |       | 1,20    | 105     | 1     | 105   |                    | 126,00 |         |         |
|                                   |     | 1   |             | 16    | 5,61    | 4       | 1     | 4     |                    |        |         | 22,44   |
|                                   |     | 2   | 8           |       | 1,20    | 18      | 1     | 18    |                    | 21,60  |         |         |
|                                   |     | 3   | 6           |       | 5,61    | 8       | 1     | 8     | 44,88              |        |         |         |
| Poz.24.26                         | 1   | 22  |             | 12    | 2,10    | 27      | 1     | 27    |                    |        | 56,70   |         |
|                                   |     | 1   |             | 16    | 1,98    | 4       | 1     | 4     |                    |        |         | 7,92    |
|                                   |     | 2   | 8           |       | 1,20    | 7       | 1     | 7     |                    | 8,40   |         |         |
|                                   |     | 3   | 6           |       | 1,98    | 8       | 1     | 8     | 15,84              |        |         |         |
| Poz.24.27                         | 1   | 23  |             | 12    | 2,00    | 10      | 1     | 10    |                    |        | 20,00   |         |
|                                   |     | 1   |             | 16    | 4,29    | 4       | 1     | 4     |                    |        |         | 17,16   |
|                                   |     | 2   | 8           |       | 1,20    | 14      | 1     | 14    |                    | 16,80  |         |         |
|                                   |     | 3   | 6           |       | 4,29    | 4       | 1     | 4     | 17,16              |        |         |         |
| Poz.24.28 , 24.39                 | 1   | 24  |             | 12    | 1,30    | 21      | 1     | 21    |                    |        | 27,30   |         |
|                                   |     | 1   |             | 16    | 18,15   | 4       | 1     | 4     |                    |        |         | 72,60   |
|                                   |     | 2   | 8           |       | 1,20    | 56      | 1     | 56    |                    | 67,20  |         |         |
|                                   |     | 3   | 6           |       | 18,15   | 6       | 1     | 6     | 108,90             |        |         |         |
| Poz.24.30                         | 1   | 25  |             | 12    | 1,70    | 84      | 1     | 84    |                    |        | 142,80  |         |
|                                   |     | 1   |             | 16    | 11,88   | 4       | 1     | 4     |                    |        |         | 47,52   |
|                                   |     | 2   | 8           |       | 1,20    | 37      | 1     | 37    |                    | 44,40  |         |         |
|                                   |     | 3   | 6           |       | 11,88   | 6       | 1     | 6     | 71,28              |        |         |         |
| Poz.24.31                         | 1   | 26  |             | 12    | 1,80    | 55      | 1     | 55    |                    |        | 99,00   |         |
|                                   |     | 1   |             | 16    | 9,24    | 4       | 1     | 4     |                    |        |         | 36,96   |
|                                   |     | 2   | 8           |       | 1,20    | 29      | 1     | 29    |                    | 34,80  |         |         |
|                                   |     | 3   | 6           |       | 9,24    | 4       | 1     | 4     | 36,96              |        |         |         |
| Poz.24.34                         | 1   | 27  |             | 12    | 0,90    | 43      | 1     | 43    |                    |        | 38,70   |         |
|                                   |     | 1   |             | 16    | 5,61    | 4       | 1     | 4     |                    |        |         | 22,44   |
|                                   |     | 2   | 8           |       | 1,20    | 18      | 1     | 18    |                    | 21,60  |         |         |
|                                   |     | 3   | 6           |       | 5,61    | 4       | 1     | 4     | 22,44              |        |         |         |
| Poz.24.33                         | 1   | 28  |             | 12    | 1,00    | 27      | 1     | 27    |                    |        | 27,00   |         |
|                                   |     | 1   |             | 16    | 6,27    | 4       | 1     | 4     |                    |        |         | 25,08   |
|                                   |     | 2   | 8           |       | 1,20    | 20      | 1     | 20    |                    | 24,00  |         |         |
|                                   |     | 3   | 6           |       | 6,27    | 8       | 1     | 8     | 50,16              |        |         |         |
| Poz.24.35                         | 1   | 29  |             | 16    | 2,50    | 30      | 1     | 30    |                    |        |         | 75,00   |
|                                   |     | 1   |             | 16    | 2,45    | 4       | 1     | 4     |                    |        |         | 9,81    |
|                                   |     | 2   | 8           |       | 1,20    | 8       | 1     | 8     |                    | 9,60   |         |         |
|                                   |     | 3   | 6           |       | 2,45    | 8       | 1     | 8     | 19,62              |        |         |         |
| Poz.24.36                         | 1   | 30  |             | 12    | 2,10    | 12      | 1     | 12    |                    |        | 25,20   |         |
|                                   |     | 1   |             | 16    | 6,16    | 4       | 1     | 4     |                    |        |         | 24,64   |
|                                   |     | 2   | 8           |       | 1,20    | 20      | 1     | 20    |                    | 24,00  |         |         |
|                                   |     | 3   | 6           |       | 6,16    | 2       | 1     | 2     | 12,32              |        |         |         |
| Poz.24.37                         | 1   | 31  |             | 12    | 0,80    | 29      | 1     | 29    |                    |        | 23,20   |         |
|                                   |     | 1   |             | 16    | 5,61    | 4       | 1     | 4     |                    |        |         | 22,44   |
|                                   |     | 2   | 8           |       | 1,20    | 18      | 1     | 18    |                    | 21,60  |         |         |
|                                   |     | 3   | 6           |       | 5,61    | 2       | 1     | 2     | 11,22              |        |         |         |
| Poz.24.38                         | 1   | 32  |             | 12    | 0,70    | 27      | 1     | 27    |                    |        | 18,90   |         |
|                                   |     | 1   |             | 16    | 10,56   | 4       | 1     | 4     |                    |        |         | 42,24   |
|                                   |     | 2   | 8           |       | 1,20    | 33      | 1     | 33    |                    | 39,60  |         |         |
|                                   |     | 3   | 6           |       | 10,56   | 6       | 1     | 6     | 63,36              |        |         |         |
|                                   |     |     |             |       |         |         |       |       |                    |        |         |         |
| Długość wg średnic [m]            |     |     |             |       |         |         |       |       | 575,98             | 657,28 | 1166,05 | 1083,91 |
| Masa 1 m pręta [kg/m]             |     |     |             |       |         |         |       |       | 0,222              | 0,395  | 0,888   | 1,578   |
| Masa łączna wg średnic [kg]       |     |     |             |       |         |         |       |       | 127,84             | 259,35 | 1035,24 | 1710,77 |
| Masa łączna wg gatunku stali [kg] |     |     |             |       |         |         |       |       | 387,19             |        | 2746,01 |         |
| Ogółem [kg]                       |     |     |             |       |         |         |       |       | 3133,20            |        |         |         |

|                                   |                                     |  |  |                    |         |
|-----------------------------------|-------------------------------------|--|--|--------------------|---------|
| PRACOWNIA PROJEKTOWA " AKON "     |                                     |  |  | BRANŻA: KONSTR.    |         |
| 10 - 672 OLSZTYN UL. ELBUŃSKA 125 |                                     |  |  | SKALA: 1:20        |         |
| OBIEKT:                           | ROZBUDOWA WBP w OLSZTYNIE           |  |  | DATA:              | 11.2010 |
| ADRES:                            | ul. 1 Maja 5; 10-117 Olsztyn        |  |  | NR RTS.:           | K - 1f  |
| TEMAT:                            | POZ.24-PRZEKROJE ŁAW FUNDAMENTOWYCH |  |  | PROJEKT WYKONAWCZY |         |
| PROJEKTANT:                       | mgr inż. Anna Ceynowa               |  |  | Upz.:277/86/0L     |         |
| SPRAWDZAJĄCY:                     | mgr inż. Bogdan Jasko               |  |  | Upz.:178/87/0L     |         |
| OPRACOWAŁ:                        | inż. Barbara Rzeckowska             |  |  | Upz.:              |         |