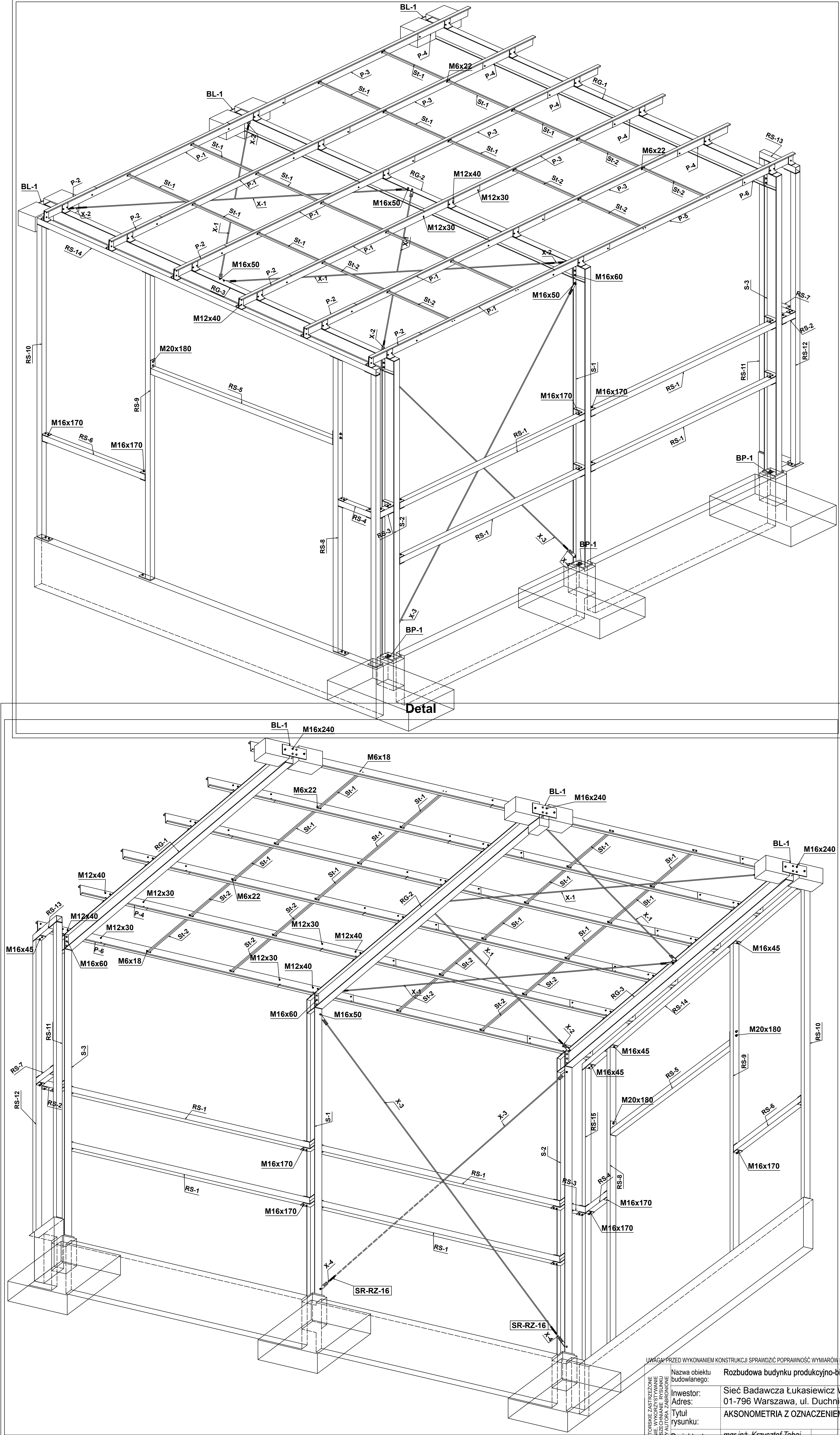


Aksonometria budynku



UWAGA! PRZED WYKONANIEM KONSTRUKCJI SPRAWDZIĆ POPRAWNOŚĆ WYMIARÓW RZECZYWISTYCH NA BUDOWIE A WRAZIE Z NIEZGODNOŚCI DOKONAĆ NIEZBĘDNYCH KOREKT

|                            |  |  |  |
|----------------------------|--|--|--|
| Nazwa obiektu budowlanego: |  | Rozbudowa budynku produkcyjno-biurowego - projekt wykonawczy   |  |
| Inwestor:                  |  | Sieć Badawcza Łukasiewicz - Warszawski Instytut Technologiczny |  |
| Adres:                     |  | 01-796 Warszawa, ul. Duchnicka 3                               |  |
| Tytuł rysunku:             |  | AKSONOMETRIA Z OZNACZENIEM ELEMENTÓW I ŚRUB NA RYSUNKU         |  |
| Projektant:                |  | mgr inż. Krzysztof Tabaj                                       |  |
| Sprawdzający:              |  | mgr inż. Paweł Wiek  |  |
| Data sporządzenia:         |  | 02.2024 r.   |  |

|             |                  |         |                |
|-------------|------------------|---------|----------------|
| Nr upr.bud. | MAP/0164/POOK/09 | Podpis: | Skala rysunku: |
| Nr upr.bud. | MAP/0508/PWBK/17 | Podpis: | 1:10           |
|             |                  |         | Numer rysunku: |
|             |                  |         | KW-2           |

| Poszywa | Nazwa         | Ilość (szt.) | Długość (mm) | Szerokość (mm) | Materiał  | Waga (kg) | Waga (kg) |
|---------|---------------|--------------|--------------|----------------|-----------|-----------|-----------|
| BL-1    | X             | 3            | 500          | 200            | S355J2C+N | 11,77     | 11,77     |
| 1045    | BL15x20x200   | 4            | 240          | 0              | 0         | 10,9      | 1,98      |
|         | M16 10.9      | 2            | 190          | 0              | 5.8       | 0,37      | 0,75      |
| Razem:  |               | 7            |              |                |           |           | 14,5      |
|         |               |              |              |                |           |           |           |
| BP-1    | X             | 6            | 75           | 75             | S355J2C+N | 0,44      | 0,44      |
| 1038    | BL10x25x75    | 1            | 750          | 0              | S355JR    | 3,24      | 3,24      |
|         | Kołna M24x750 | 2            |              |                |           |           | 3,08      |
| Razem:  |               | 7            |              |                |           |           | 3,72      |
|         |               |              |              |                |           |           |           |
| P-1     | X             | 6            | 6635         | 0              | S355J2C+N | 36,72     | 36,72     |
| 1002    | Z 200x68x602  | 1            | 30           | 0              | 0         | 0,07      | 0,45      |
|         | M12 8.8       | 7            |              |                |           |           | 37,14     |
| Razem:  |               | 13           |              |                |           |           | 222,82    |
|         |               |              |              |                |           |           |           |
| P-2     | X             | 6            | 1375         | 0              | S355J2C+N | 7,61      | 7,61      |
| 1003    | Z 200x68x602  | 1            |              |                |           |           | 7,61      |
| Razem:  |               | 7            |              |                |           |           | 45,66     |
|         |               |              |              |                |           |           |           |
| P-3     | X             | 5            | 6635         | 0              | S355J2C+N | 36,72     | 36,72     |
| 1004    | Z 200x68x602  | 8            | 15           | 0              | 0         | 0,01      | 0,08      |
|         | M6 8.8        | 9            |              |                |           |           | 183,64    |
| Razem:  |               | 14           |              |                |           |           | 36,8      |
|         |               |              |              |                |           |           |           |
| P-4     | X             | 5            | 1375         | 0              | S355J2C+N | 7,61      | 7,61      |
| 1005    | Z 200x68x602  | 2            | 30           | 0              | 0         | 0,07      | 0,14      |
|         | M12 8.8       | 3            |              |                |           |           | 7,75      |
| Razem:  |               | 8            |              |                |           |           | 38,74     |
|         |               |              |              |                |           |           |           |
| P-5     | X             | 1            | 6635         | 0              | S355J2C+N | 36,72     | 36,72     |
| 1029    | Z 200x68x602  | 1            |              |                |           |           | 36,72     |
| Razem:  |               | 2            |              |                |           |           | 36,72     |
|         |               |              |              |                |           |           |           |
| P-6     | X             | 1            | 1375         | 0              | S355J2C+N | 7,61      | 7,61      |
| 1030    | Z 200x68x602  | 2            | 30           | 0              | 0         | 0,07      | 0,14      |
|         | M12 8.8       | 3            |              |                |           |           | 7,75      |
| Razem:  |               | 4            |              |                |           |           | 15,5      |
|         |               |              |              |                |           |           |           |
| RG-1    | X             | 1            | 300          | 150            | S355J2C+N | 7,07      | 7,07      |
| 1046    | BL20x30x150   | 1            | 300          | 150            | S355J2C+N | 5,31      | 5,31      |
| 1044    | BL15x20x150   | 1            | 300          | 150            | S355J2C+N | 5,31      | 5,31      |
| 1033    | BL10x24x150   | 5            | 247          | 150            | S355J2C+N | 2,89      | 14,45     |
| 1011    | PF300         | 1            | 6058         | 0              | S355JR    | 255,66    | 255,66    |
|         | M16 10.9      | 6            | 60           | 0              | 10.9      | 0,16      | 0,96      |
|         | M16 10.9      | 2            | 50           | 0              | 10.9      | 0,15      | 0,31      |
|         | M12 8.8       | 10           | 40           | 0              | 8.8       | 0,08      | 1,54      |
| Razem:  |               | 34           |              |                |           |           | 339,75    |
|         |               |              |              |                |           |           |           |
| RG-2    | X             | 1            | 300          | 150            | S355J2C+N | 7,07      | 7,07      |
| 1046    | BL20x30x150   | 1            | 300          | 150            | S355J2C+N | 5,31      | 5,31      |
| 1044    | BL15x20x150   | 1            | 300          | 150            | S355J2C+N | 5,31      | 5,31      |
| 1033    | BL10x24x150   | 5            | 247          | 150            | S355J2C+N | 2,89      | 14,45     |
| 1011    | PF300         | 1            | 6058         | 0              | S355JR    | 255,66    | 255,66    |
|         | M16 10.9      | 6            | 60           | 0              | 10.9      | 0,16      | 0,96      |
|         | M16 10.9      | 2            | 50           | 0              | 10.9      | 0,15      | 0,31      |
|         | M12 8.8       | 10           | 40           | 0              | 8.8       | 0,08      | 1,54      |
| Razem:  |               | 42           |              |                |           |           | 381,1     |
|         |               |              |              |                |           |           |           |
| RG-3    | X             | 1            | 300          | 150            | S355J2C+N | 7,07      | 7,07      |
| 1046    | BL20x30x150   | 1            | 300          | 150            | S355J2C+N | 5,31      | 5,31      |
| 1044    | BL15x20x150   | 1            | 300          | 150            | S355J2C+N | 5,31      | 5,31      |
| 1033    | BL10x24x150   | 5            | 247          | 150            | S355J2C+N | 2,89      | 14,45     |
| 1011    | PF300         | 1            | 6058         | 0              | S355JR    | 255,66    | 255,66    |
|         | M16 10.9      | 6            | 60           | 0              | 10.9      | 0,16      | 0,96      |
|         | M16 10.9      | 2            | 50           | 0              | 10.9      | 0,15      | 0,31      |
|         | M12 8.8       | 10           | 40           | 0              | 8.8       | 0,08      | 1,54      |
| Razem:  |               | 34           |              |                |           |           | 339,75    |
|         |               |              |              |                |           |           |           |
| RS-1    | X             | 4            | 5090         | 0              | S235JR    | 72,28     | 72,28     |
| 1007    | RH5120x4      | 1            |              |                |           |           | 72,28     |
| Razem:  |               | 5            |              |                |           |           | 289,11    |
|         |               |              |              |                |           |           |           |
| RS-2    | X             | 1            | 370          | 0              | S235JR    | 5,25      | 5,25      |
| 1007    | RH5120x4      | 1            |              |                |           |           | 5,25      |
| Razem:  |               | 2            |              |                |           |           | 5,25      |
|         |               |              |              |                |           |           |           |
| RS-3    | X             | 1            | 370          | 0              | S235JR    | 5,25      | 5,25      |
| 1008    | RH5120x4      | 1            |              |                |           |           | 5,25      |
| Razem:  |               | 2            |              |                |           |           | 5,25      |
|         |               |              |              |                |           |           |           |
| RS-4    | X             | 1            | 812          | 0              | S235JR    | 11,53     | 11,53     |
| 1025    | RH5120x4      | 1            |              |                |           |           | 11,53     |
| Razem:  |               | 2            |              |                |           |           | 11,53     |
|         |               |              |              |                |           |           |           |
| RS-5    | X             | 1            | 280          | 120            | S355J2C+N | 3,17      | 6,33      |
| 1050    | BL12x28x120   | 1            | 280          | 120            | S355J2C+N | 3,17      | 6,33      |
| 1042    | BL15x28x120   | 1            | 280          | 120            | S355J2C+N | 3,96      | 6,36      |
| 1040    | BL10x13x120   | 2            | 130          | 120            | S355J2C+N | 1,23      | 2,46      |
| 1034    | BL10x13x120   | 2            | 130          | 120            | S355J2C+N | 1,23      | 2,46      |
| 1021    | RH5120x4      | 1            | 5914         | 0              | S235JR    | 83,98     | 83,98     |
|         | M16 10.9      | 4            | 170          | 0              | 10.9      | 0,39      | 1,55      |
|         | M16 10.9      | 2            | 45           | 0              | 10.9      | 0,15      | 0,31      |
|         | M12 8.8       | 4            | 40           | 0              | 8.8       | 0,08      | 0,75      |
| Razem:  |               | 11           |              |                |           |           | 95,89     |
|         |               |              |              |                |           |           |           |
| RS-6    | X             | 1            | 2528         | 0              | S235JR    | 35,89     | 35,89     |
| 1003    | RH5120x4      | 1            |              |                |           |           | 35,89     |
| Razem:  |               | 2            |              |                |           |           | 35,89     |
|         |               |              |              |                |           |           |           |
| RS-7    | X             | 1            | 650          | 0              | S235JR    | 9,23      | 9,23      |
| 1006    | RH5120x4      | 1            |              |                |           |           | 9,23      |
| Razem:  |               | 2            |              |                |           |           | 9,23      |
|         |               |              |              |                |           |           |           |
| RS-8    | X             | 1            | 280          | 120            | S355J2C+N | 3,17      | 3,17      |
| 1050    | BL12x28x120   | 1            | 280          | 120            | S355J2C+N | 3,17      | 3,17      |
| 1042    | BL15x28x120   | 1            | 280          | 120            | S355J2C+N | 3,96      | 3,96      |
| 1040    | BL10x13x120   | 2            | 130          | 120            | S355J2C+N | 1,23      | 2,46      |
| 1034    | BL10x13x120   | 2            | 130          | 120            | S355J2C+N | 1,23      | 2,46      |
| 1021    | RH5120x4      | 1            | 5914         | 0              | S235JR    | 83,98     | 83,98     |
|         | M16 10.9      | 4            | 170          | 0              | 10.9      | 0,39      | 1,55      |
|         | M16 10.9      | 2            | 45           | 0              | 10.9      | 0,15      | 0,31      |
|         | M12 8.8       | 4            | 40           | 0              | 8.8       | 0,08      | 0,75      |
| Razem:  |               | 11           |              |                |           |           | 95,89     |
|         |               |              |              |                |           |           |           |
| RS-9    | X             | 1            | 280          | 120            | S355J2C+N | 3,17      | 3,17      |
| 1050    | BL12x28x120   | 1            | 280          | 120            | S355J2C+N | 3,17      | 3,17      |
| 1042    | BL15x28x120   | 1            | 280          | 120            | S355J2C+N | 3,96      | 3,96      |
| 1040    | BL10x13x120   | 2            | 130          | 120            | S355J2C+N | 1,23      | 2,46      |
| 1034    | BL10x13x120   | 2            | 130          | 120            | S355J2C+N | 1,23      | 2,46      |
| 1021    | RH5120x4      | 1            | 5914         | 0              | S235JR    | 83,98     | 83,98     |
|         | M16 10.9      | 4            | 170          | 0              | 10.9      | 0,39      | 1,55      |
|         | M16 10.9      | 2            | 45           | 0              | 10.9      | 0,15      | 0,31      |
|         | M12 8.8       | 4            | 40           | 0              | 8.8       | 0,08      | 0,75      |
| Razem:  |               | 11           |              |                |           |           | 95,89     |
|         |               |              |              |                |           |           |           |
| RS-10   | X             | 1            | 280          | 120            | S355J2C+N | 3,17      | 3,17      |
| 1050    | BL12x28x120   | 1            | 280          | 120            | S355J2C+N | 3,17      | 3,17      |
| 1042    | BL15x28x120   | 1            | 280          | 120            | S355J2C+N | 3,96      | 3,96      |
| 1040    | BL10x13x120   | 2            | 130          | 120            | S355J2C+N | 1,23      | 2,46      |
| 1034    | BL10x13x120   | 2            | 130          | 120            | S355J2C+N | 1,23      | 2,46      |
| 1021    | RH5120x4      | 1            | 5914         | 0              | S235JR    | 83,98     | 83,98     |
|         | M16 10.9      | 4            | 170          | 0              | 10.9      | 0,39      | 1,55      |
|         | M16 10.9      | 2            | 45           | 0              | 10.9      | 0,15      | 0,31      |
|         | M12 8.8       | 4            | 40           | 0              | 8.8       | 0,08      | 0,75      |
| Razem:  |               | 11           |              |                |           |           | 95,89     |
|         |               |              |              |                |           |           |           |
| RS-11   | X             | 1            | 280          | 120            | S355J2C+N | 3,17      | 3,17      |
| 1050    | BL12x28x120   | 1            | 280          | 120            | S355J2C+N | 3,17      | 3,17      |
| 1042    | BL15x28x120   | 1            | 280          | 120            | S355J2C+N | 3,96      | 3,96      |
| 1040    | BL10x13x120   | 2            | 130          | 120            | S355J2C+N | 1,23      | 2,46      |
| 1034    | BL10x13x120   | 2            | 130          | 120            | S355J2C+N | 1,23      | 2,46      |
| 1021    | RH5120x4      | 1            | 5914         | 0              | S235JR    | 83,98     | 83,98     |
|         | M16 10.9      | 4            | 170          | 0              | 10.9      | 0,39      | 1,55      |
|         | M16 10.9      | 2            | 45           | 0              | 10.9      | 0,15      | 0,31      |
|         | M12 8.8       | 4            | 40           | 0              | 8.8       | 0,08      | 0,75      |
| Razem:  |               | 11           |              |                |           |           | 95,89     |
|         |               |              |              |                |           |           |           |
| RS-12   | X             | 1            | 200          | 200            | S355J2C+N | 4,33      | 4,33      |
| 1051    | BL15x20x200   | 1            | 200          | 200            | S355J2C+N | 4,33      | 4,33      |
| 1049    | BL12x20x120   | 1            | 280          | 120            | S355J2C+N | 3,17      | 3,17      |
| 1039    | BL12x27x70    | 2            | 277          | 70             | S355J2C+N | 1,79      | 3,57      |
| 1033    | BL10x24x150   | 1            | 247          | 150            | S355J2C+N | 2,89      | 2,89      |
| 1016    | PF300         | 1            | 6058         | 0              | S355JR    | 255,66    | 255,66    |
|         | M16 10.9      | 6            | 170          | 0              | 10.9      | 0,39      | 2,32      |
|         | M16 10.9      | 2            | 45           | 0              | 10.9      | 0,15      | 0,31      |
|         | M12 8.8       | 4            | 40           | 0              | 8.8       | 0,08      | 0,75      |
| Razem:  |               | 15           |              |                |           |           | 98,62     |
|         |               |              |              |                |           |           |           |
| RS-13   | X             | 1            | 247          | 120            | S355J2C+N | 2,31      | 2,31      |
| 1051    | BL15x20x200   | 1            | 200          | 200            | S355J2C+N | 4,33      | 4,33      |
| 1049    | BL12x20x120   | 1            | 280          | 120            | S355J2C+N | 3,17      | 3,17      |
| 1039    | BL12x27x70    | 2            | 277          | 70             | S355J2C+N | 1,79      | 3,57      |
| 1033    | BL10x24x150   | 1            | 247          | 150            | S355J2C+N | 2,89      | 2,89      |
| 1016    | PF300         | 1            | 6058         | 0              | S355JR    | 255,66    | 255,66    |
|         | M16 10.9      | 6            | 170          | 0              | 10.9      | 0,39      | 2,32      |
|         | M16 10.9      | 2            | 45           | 0              | 10.9      | 0,15      | 0,31      |
|         | M12 8.8       | 4            | 40           | 0              | 8.8       | 0,08      | 0,75      |
| Razem:  |               | 15           |              |                |           |           | 98,62     |
|         |               |              |              |                |           |           |           |
| RS-14   | X             | 1            | 247          | 120            | S355J2C+N | 2,31      | 13,85     |
| 1051    | BL15x20x200   | 1            | 200          | 200            | S355J2C+N | 4,33      | 13,85     |
| 1049    | BL12x20x120   | 1            | 280          | 120            | S355J2C+N | 3,17      | 13,85     |
| 1039    | BL12x27x70    | 2            | 277          | 70             | S355J2C+N | 1,79      | 13,85     |
| 1033    | BL10x24x150   | 1            | 247          | 150            | S355J2C+N | 2,89      | 13,85     |
| 1016    | PF300         | 1            | 6058         | 0              | S355JR    | 255,66    | 13,85     |
|         | M16 10.9      | 6            | 170          | 0              | 10.9      | 0,39      | 13,85     |
|         | M16 10.9      | 2            | 45           | 0              | 10.9      | 0,15      | 13,85     |
|         | M12 8.8       | 4            | 40           | 0              | 8.8       | 0,08      | 13,85     |
| Razem:  |               | 15           |              |                |           |           | 13,85     |
|         |               |              |              |                |           |           |           |
| RS-15   | X             | 1            | 200          | 200            | S355J2C+N | 4,33      | 4,33      |
| 1051    | BL15x20x200   | 1            | 200          | 200            | S355J2C+N | 4,33      | 4,33      |
| 1049    | BL12x20x120   | 1            | 280          | 120            | S355J2C+N | 3,17      | 3,17      |
| 1039    | BL12x27x70    | 2            | 277          | 70             | S355J2C+N | 1,79      | 3,57      |
| 1033    | BL10x24x150   | 1            | 247          | 150            | S355J2C+N | 2,89      | 2,89      |
| 1016    | PF300         | 1            | 6058         | 0              | S355JR    |           |           |