

| | | | |
|--|--|---|---|
| <u>Inwestor</u> MACKIEWICZ FABET | <u>Projektant:</u> mgr inż. Paweł Popiołek | | |
| <u>Projekt</u> Hala produk. istn. - otwory | <u>Nr zamów.</u> 30/16 | <u>Rysunek:</u> Zestawienie stali | <u>Zm:</u> K-01 |
| | <u>Zestawił:</u> <i>mgr inż. Paweł Popiołek</i> | | <u>Data:</u> 5.7.2017 <u>Godz.</u> 12:31 h |

LOGO

| Pozycja | Liczba | Nazwa | Materiał | Długość | Waga | Suma |
|--------------|-----------|----------------------|--------------|-------------|--------------|---------------|
| G 1 | 2 | RKA 100x100x4 | | 5610 | 170,4 | 340,7 |
| 1 | 1 | RKA 100x100x4 | S235JRG2 | 5490 | 65,500 | 65,500 |
| 1 | 1 | RKA 100x100x4 | S235JRG2 | 5490 | 65,500 | 65,500 |
| 10 | 4 | RKA 100x100x4 | S235JRG2 | 700 | 8,350 | 33,400 |
| 17 | 2 | L 60x5 | S235JRG2 | 100 | 0,460 | 0,920 |
| 19 | 4 | Bl. 140x100x8 | STALSt3S-215 | 140 | 0,880 | 3,520 |
| 21 | 8 | Paskownik 96x43x6 | STALSt3S-215 | 96 | 0,190 | 1,520 |
| | 8 | M 12x30 Mu DIN7990 | 8.8 | 30 | | 0,000 |
| G 1.1 | 2 | RKA 100x100x4 | | 5610 | 69,9 | 139,7 |
| 1 | 1 | RKA 100x100x4 | S235JRG2 | 5490 | 65,500 | 65,500 |
| 17 | 4 | L 60x5 | S235JRG2 | 100 | 0,460 | 1,840 |
| 19 | 2 | Bl. 140x100x8 | STALSt3S-215 | 140 | 0,880 | 1,760 |
| 21 | 4 | Paskownik 96x43x6 | STALSt3S-215 | 96 | 0,190 | 0,760 |
| | 4 | M 12x30 Mu DIN7990 | 8.8 | 30 | | 0,000 |
| G 2 | 22 | RKA 100x100x4 | | 5560 | 75,0 | 1649,6 |
| 2 | 1 | RKA 100x100x4 | S235JRG2 | 5440 | 64,900 | 64,900 |
| 13 | 6 | Bl. 100x10 | S235JRG2 | 160 | 1,260 | 7,560 |
| 19 | 2 | Bl. 140x100x8 | STALSt3S-215 | 140 | 0,880 | 1,760 |
| 21 | 4 | Paskownik 96x43x6 | STALSt3S-215 | 96 | 0,190 | 0,760 |
| | 4 | M 12x30 Mu DIN7990 | 8.8 | 30 | | 0,000 |
| G 2.1 | 6 | RKA 100x100x4 | | 5560 | 69,3 | 415,6 |
| 2 | 1 | RKA 100x100x4 | S235JRG2 | 5440 | 64,900 | 64,900 |
| 17 | 4 | L 60x5 | S235JRG2 | 100 | 0,460 | 1,840 |
| 19 | 2 | Bl. 140x100x8 | STALSt3S-215 | 140 | 0,880 | 1,760 |
| 21 | 4 | Paskownik 96x43x6 | STALSt3S-215 | 96 | 0,190 | 0,760 |
| | 4 | M 12x30 Mu DIN7990 | 8.8 | 30 | | 0,000 |
| G 2.2 | 6 | RKA 100x100x4 | | 5560 | 169,2 | 1015,0 |
| 2 | 1 | RKA 100x100x4 | S235JRG2 | 5440 | 64,900 | 64,900 |
| 2 | 1 | RKA 100x100x4 | S235JRG2 | 5440 | 64,900 | 64,900 |
| 10 | 4 | RKA 100x100x4 | S235JRG2 | 700 | 8,350 | 33,400 |
| 17 | 2 | L 60x5 | S235JRG2 | 100 | 0,460 | 0,920 |
| 19 | 4 | Bl. 140x100x8 | STALSt3S-215 | 140 | 0,880 | 3,520 |
| 21 | 8 | Paskownik 96x43x6 | STALSt3S-215 | 96 | 0,190 | 1,520 |
| | 8 | M 12x30 Mu DIN7990 | 8.8 | 30 | | 0,000 |
| G 3 | 22 | RPB 100x50x4 | | 5560 | 47,5 | 1044,8 |
| 3 | 1 | RPB 100x50x4 | S235JRG2 | 5440 | 46,570 | 46,570 |
| 18 | 2 | L 60x5 | S235JRG2 | 100 | 0,460 | 0,920 |
| | 4 | M 12x35 Mu DIN7990 | 8.8 | 35 | | 0,000 |

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| <u>Projekt</u> Hala produk. istn. - otwory | <u>Nr zamów.</u> 30/16 | <u>Rysunek:</u> Zestawienie stali | <u>Zm:</u> K-01 |
| | <u>Zestawił:</u> <i>mgr inż. Paweł Popiołek</i> | | <u>Data:</u> 5.7.2017 <u>Godz.</u> 12:31 h |

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| Pozycja | Liczba | Nazwa | Materiał | Długość | Waga | Suma |
|--------------|-----------|---------------------------------|--------------|-------------|-------------|--------------|
| G 3.1 | 1 | RPB 100x50x4 | | 5560 | 48,4 | 48,4 |
| 3 | 1 | RPB 100x50x4 | S235JRG2 | 5440 | 46,570 | 46,570 |
| 17 | 2 | L 60x5 | S235JRG2 | 100 | 0,460 | 0,920 |
| 18 | 2 | L 60x5 | S235JRG2 | 100 | 0,460 | 0,920 |
| | 4 | M 12x35 Mu DIN7990 | 8.8 | 35 | | 0,000 |
| G 4 | 1 | RPB 100x50x4 | | 5235 | 45,6 | 45,6 |
| 4 | 1 | RPB 100x50x4 | S235JRG2 | 5115 | 43,780 | 43,780 |
| 17 | 2 | L 60x5 | S235JRG2 | 100 | 0,460 | 0,920 |
| 18 | 2 | L 60x5 | S235JRG2 | 100 | 0,460 | 0,920 |
| | 4 | M 12x35 Mu DIN7990 | 8.8 | 35 | | 0,000 |
| G 5 | 16 | RKA 100x100x4 | | 4080 | 50,4 | 806,4 |
| 5 | 1 | RKA 100x100x4 | S235JRG2 | 4010 | 47,840 | 47,840 |
| 12 | 1 | Bl. 100x10 | S235JRG2 | 165 | 1,300 | 1,300 |
| 20 | 1 | Bl. 140x100x8 | STALSt3S-215 | 140 | 0,880 | 0,880 |
| 21 | 2 | Paskownik 96x43x6 | STALSt3S-215 | 96 | 0,190 | 0,380 |
| | 2 | M 12x35 Mu DIN7990 | 8.8 | 35 | | 0,000 |
| | 1 | Ćer.kotwi'ca HVU HAS M16x190/38 | 4.6 | | | 0,000 |
| G 6 | 16 | RKA 100x100x4 | | 3860 | 47,1 | 754,2 |
| 6 | 1 | RKA 100x100x4 | S235JRG2 | 3740 | 44,620 | 44,620 |
| 19 | 2 | Bl. 140x100x8 | STALSt3S-215 | 140 | 0,880 | 1,760 |
| 21 | 4 | Paskownik 96x43x6 | STALSt3S-215 | 96 | 0,190 | 0,760 |
| | 4 | M 12x35 Mu DIN7990 | 8.8 | 35 | | 0,000 |
| G 8 | 2 | RPB 100x50x4 | | 1120 | 51,5 | 103,1 |
| 8 | 1 | RPB 100x50x4 | S235JRG2 | 1000 | 8,560 | 8,560 |
| 7 | 2 | RPB 100x50x4 | S235JRG2 | 2300 | 19,690 | 39,380 |
| 9 | 1 | L 20x3 | S235JRG2 | 1000 | 0,880 | 0,880 |
| 16 | 2 | Bl. 100x10 | S235JRG2 | 115 | 0,900 | 1,800 |
| 17 | 2 | L 60x5 | S235JRG2 | 100 | 0,460 | 0,920 |
| | 4 | M12 x 45 PN 82101 | 5.6 | 45 | | 0,000 |
| G 11 | 1 | L 60x5 | | 190 | 0,9 | 0,9 |
| 11 | 1 | L 60x5 | S235JRG2 | 190 | 0,870 | 0,870 |
| | 2 | Ćer.kotwi'ca HVU HAS M12x160/28 | 4.6 | | | 0,000 |
| G 14 | 70 | L 60x5 | | 150 | 0,7 | 48,3 |
| 14 | 1 | L 60x5 | S235JRG2 | 150 | 0,690 | 0,690 |
| | 2 | Ćer.kotwi'ca HVU HAS M12x160/28 | 4.6 | | | 0,000 |
| G 15 | 69 | L 60x5 | | 150 | 0,7 | 47,6 |
| 15 | 1 | L 60x5 | S235JRG2 | 150 | 0,690 | 0,690 |
| | 2 | Ćer.kotwi'ca HVU HAS M12x160/28 | 4.6 | | | 0,000 |

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| | <u>Zestawił:</u> <i>mgr inż. Paweł Popiołek</i> | <u>Data:</u> <u>Godz.</u> | 5.7.2017 12:31 h |

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| Pozycja | Liczba | Nazwa | Materiał | Długość | Waga | Suma |
|---------|--------|-------|----------|---------|------|------|
|---------|--------|-------|----------|---------|------|------|

14 grupy konstrukcyjne / Waga całkowita: 6459,83 kg / Powierzchnia malowania: 220,48 m²