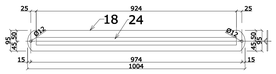
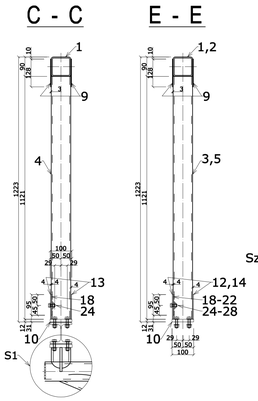
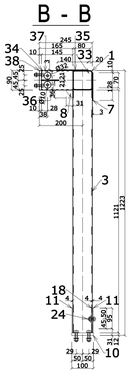
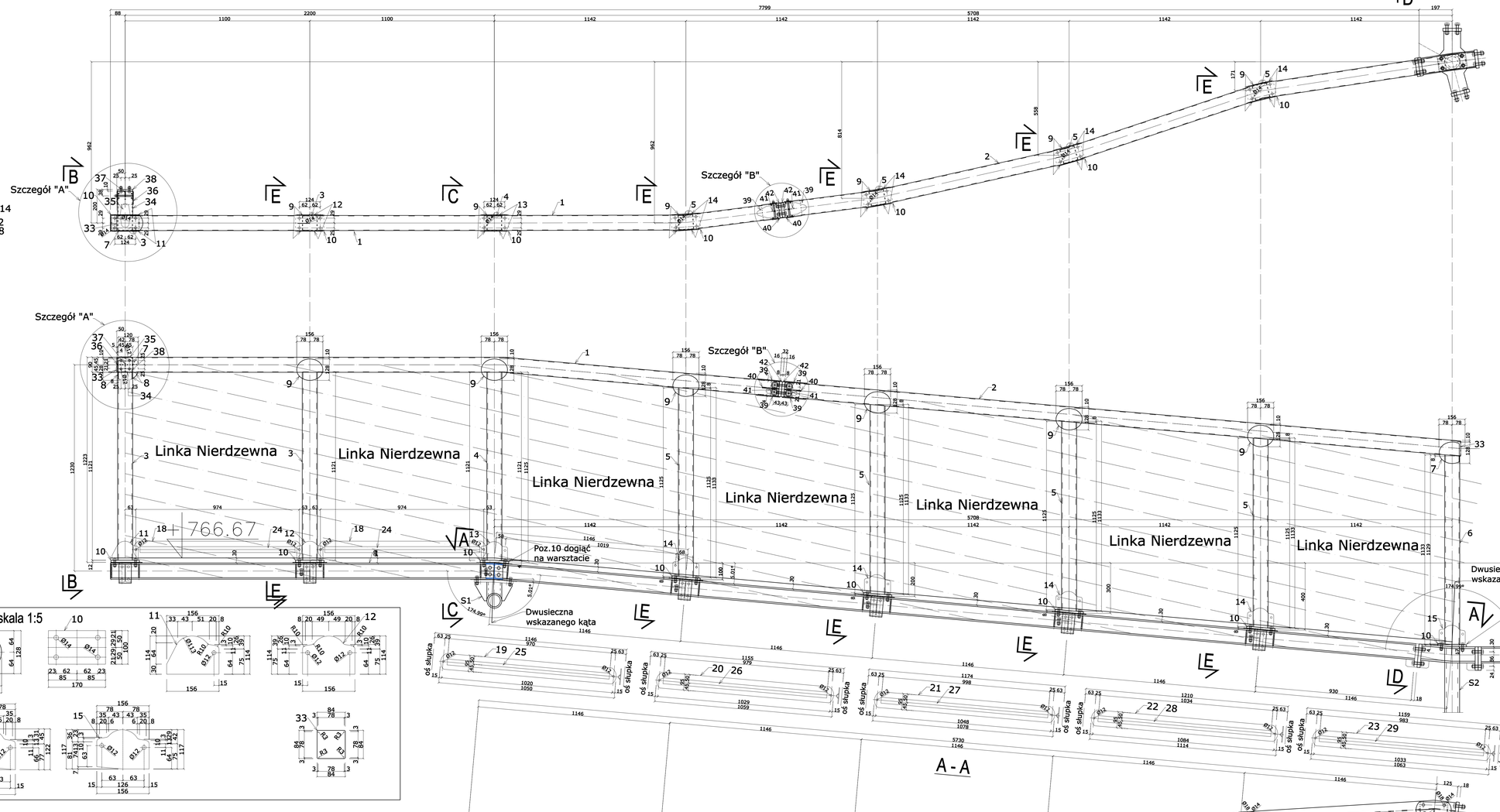
# P.2wykonać x 1

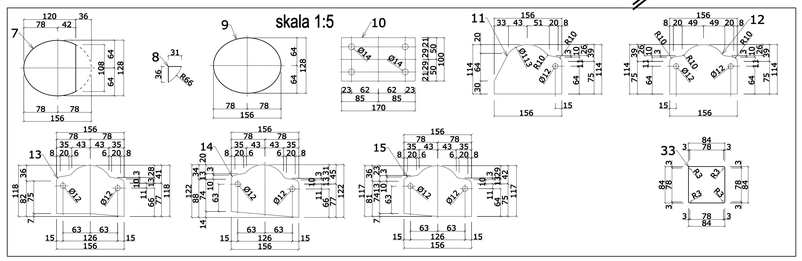
# P2.2 wykonać x 1

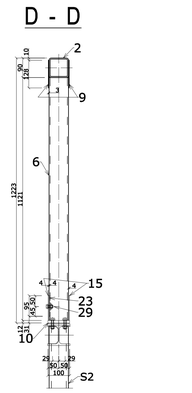




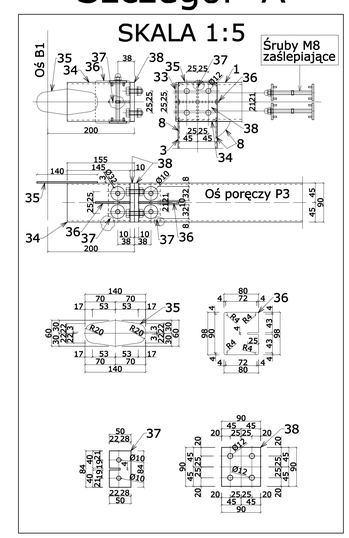



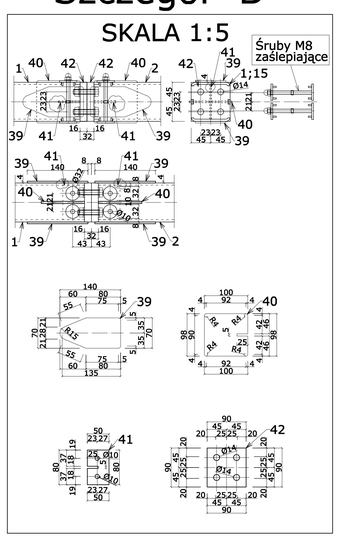

WYKAZ STALI dla Poręczy P2; P2.2

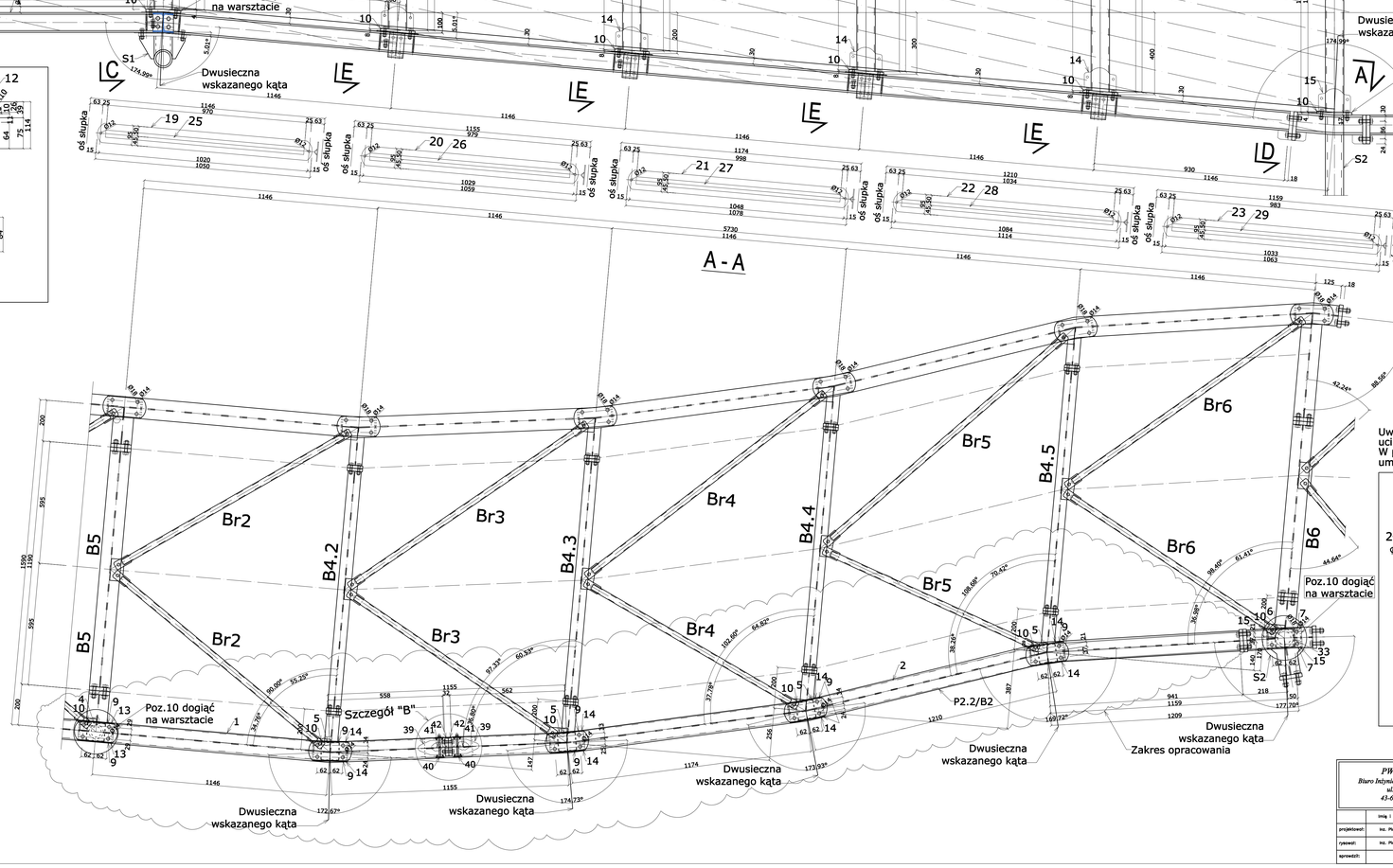
| Lp. | profil | długość | szt. | c.j./(kg/m) | stal 18G2 |
|---|---|---|---|---|---|
| 1 | RK 90x3 | 3958 | 1 | 8.01 | 31.70 |
| 2 | RK 90x3 | 4248 | 1 | 8.01 | 34.03 |
| 3 | RK 90x3 | 1121 | 2 | 8.01 | 17.96 |
| 4 | RK 90x3 | 1125 | 1 | 8.01 | 9.01 |
| 5 | RK 90x3 | 1133 | 4 | 8.01 | 36.30 |
| 6 | RK 90x3 | 1133 | 1 | 8.01 | 9.07 |
| 7 | bl 3x120 | 128 | 3 | 2.83 | 0.36 |
| 8 | bl 3x31 | 36 | 3 | 0.73 | 0.08 |
| 9 | bl 3x128 | 156 | 12 | 3.01 | 6.57 |
| 10 | bl 12x100 | 170 | 8 | 9.42 | 12.81 |
| 11 | bl 4x114 | 156 | 2 | 3.58 | 1.12 |
| 12 | bl 4x114 | 156 | 2 | 3.58 | 1.12 |
| 13 | bl 4x118 | 156 | 2 | 3.71 | 1.16 |
| 14 | bl 4x122 | 156 | 8 | 3.83 | 4.78 |
| 15 | bl 4x117 | 156 | 2 | 3.67 | 1.15 |
| - | - | - | - | - | - |
| - | - | - | - | - | - |
| 18 | bl 4x95 | 1004 | 2 | 2.98 | 5.98 |
| 19 | bl 4x95 | 1050 | 1 | 2.98 | 3.13 |
| 20 | bl 4x95 | 1059 | 1 | 2.98 | 3.16 |
| 21 | bl 4x95 | 1078 | 1 | 2.98 | 3.21 |
| 22 | bl 4x95 | 1114 | 1 | 2.98 | 3.32 |
| 23 | bl 4x95 | 1063 | 1 | 2.98 | 3.17 |
| 24 | L25x25x3 | 924 | 2 | 1.11 | 2.05 |
| 25 | L25x25x3 | 970 | 1 | 1.11 | 1.08 |
| 26 | L25x25x3 | 979 | 1 | 1.11 | 1.09 |
| 27 | L25x25x3 | 998 | 1 | 1.11 | 1.09 |
| 28 | L25x25x3 | 1034 | 1 | 1.11 | 1.15 |
| 29 | L25x25x3 | 983 | 1 | 1.11 | 1.09 |
| 33 | bl 3x84 | 84 | 2 | 1.98 | 0.34 |
| 34 | RK 90x3 | 145 | 1 | 8.01 | 1.16 |
| 35 | bl 3x60 | 140 | 1 | 1.42 | 0.20 |
| 36 | bl 4x80 | 98 | 1 | 2.51 | 0.25 |
| 37 | bl 4x50 | 84 | 1 | 1.57 | 0.13 |
| 38 | bl 10x90 | 90 | 1 | 7.07 | 0.64 |
| 39 | bl 4x70 | 135 | 4 | 2.20 | 1.18 |
| 40 | bl 3x98 | 100 | 2 | 3.85 | 0.77 |
| 41 | bl 5x50 | 80 | 2 | 1.96 | 0.32 |
| 42 | bl 16x50 | 90 | 1 | 11.30 | 1.02 |
| | | | | Razem | 203.82 |
| | | | | +1.8% dodatek na spoiny | 3.67 |
| | | | | | 208kg |

WYKAZ ŁĄCZNIKÓW

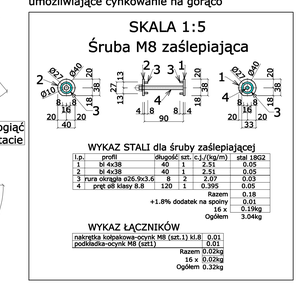
| | |
|---|---|
| śruba HV PEINER M12x50 (szt.32) kl.10.9 | 2.04 |
| nakrętka HV PEINER M12 (szt.32) kl.10 | 0.50 |
| podkładka M12 (szt64) | 0.40 |
| śruba M10x40 (szt.4) kl.8.8 | 0.22 |
| nakrętka M10 (szt.4) kl.8 | 0.05 |
| podkładka M10 (szt8) | 0.05 |
| Razem | 3.3kg |




Uwaga: materiał na pozycje 18-23, oraz 24-29 ucinać po zweryfikowaniu wymiarów na warsztacie
W profilach zamkniętych wywiercić otwory umożliwiające cynkowanie na gorąco




WYKAZ STALI dla śruby zaślepiającej

| Lp. | profil | długość | szt. | c.j./(kg/m) | stal 18G2 |
|---|---|---|---|---|---|
| 1 | bl 4x38 | 40 | 1 | 2.51 | 0.05 |
| 2 | bl 4x38 | 40 | 1 | 2.51 | 0.05 |
| 3 | rura okrągła φ26.9x3.6 | 8 | 2 | 2.07 | 0.03 |
| 4 | pręt ø8 klasy 8.8 | 120 | 1 | 0.395 | 0.05 |
| | | | | Razem | 0.18 |
| | | | | +1.8% dodatek na spoiny | 0.01 |
| | | | | 16 x | 0.19kg |
| | | | | Ogółem | 3.04kg |

WYKAZ ŁĄCZNIKÓW

| | |
|---|---|
| nakrętka kołpakowa-ocynk M8 (szt.1) kl.8 | 0.01 |
| podkładka-ocynk M8 (szt1) | 0.01 |
| Razem | 0.02kg |
| 16 x | 0.02kg |
| Ogółem | 0.32kg |

| | | | | | |
|---|---|---|---|---|---|
| *PW Projekt* *Biuro Inżynieryjno-Konstrukcyjne* *ul. Śląska 11* *43-600 Jaworzno* | | | | *GMINA LĄDEK-ZDRÓJ* ul. Rynek 31 57-540 Lądek-Zdrój | |
| | imię i Nazwisko | podpis | data | projekt: | PROJEKT WYKONAWCZY Poprawa bezpieczeństwa i dostępności punktu widokowo-obserwacyjnego na Trójaku poprzez przebudowę i rozbudowę istniejącej platformy widokowej |
| projektował: | Inż. Piotr Worek | | III.2017 | tytuł: | SEGMENT 2 (Elementy: P2, P2.2) |
| rysował: | Inż. Piotr Worek | | III.2017 | skala: | 1:5 1:10 rys. nr K-2.8 |
| sprawdził: | | | III.2017 | | |