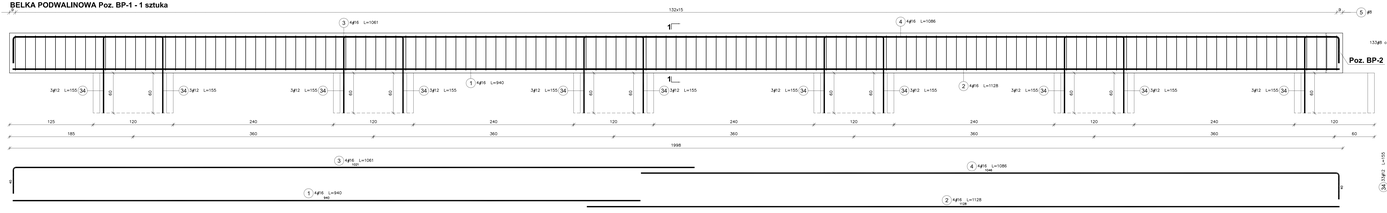
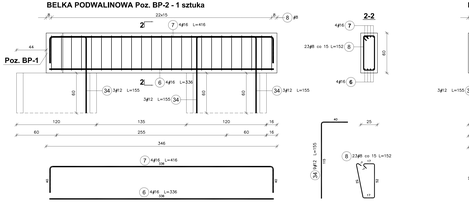
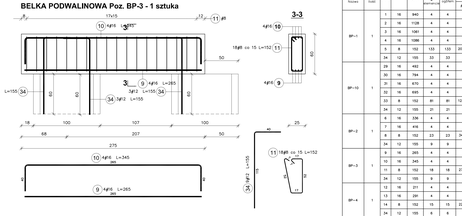
## BELKA PODWALINOWA Poz. BP-1 - 1 sztuka



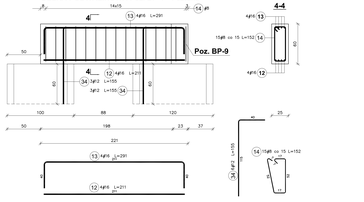

## BELKA PODWALINOWA Poz. BP-2 - 1 sztuka



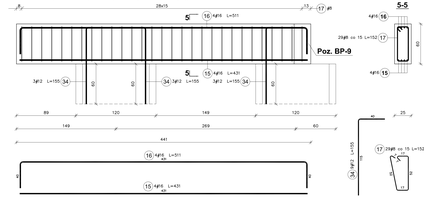

## BELKA PODWALINOWA Poz. BP-3 - 1 sztuka



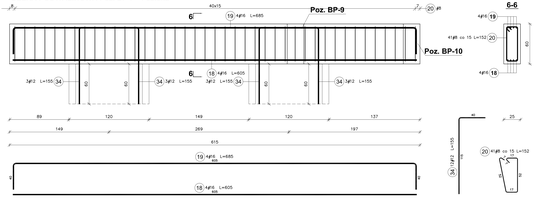

## BELKA PODWALINOWA Poz. BP-4 - 1 sztuka



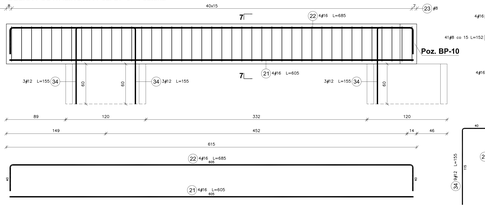

## BELKA PODWALINOWA Poz. BP-5, BP-6 - 2 sztuki



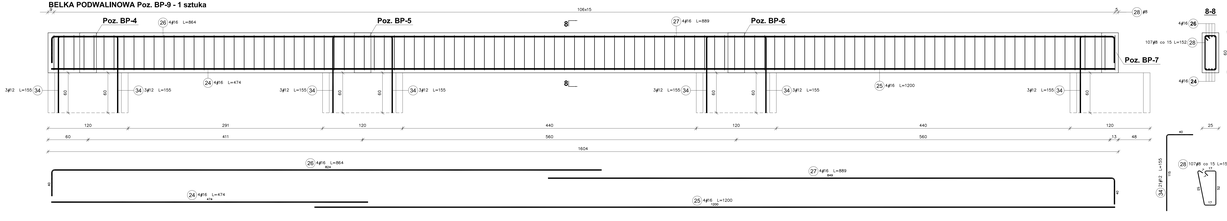

## BELKA PODWALINOWA Poz. BP-7 - 1 sztuka



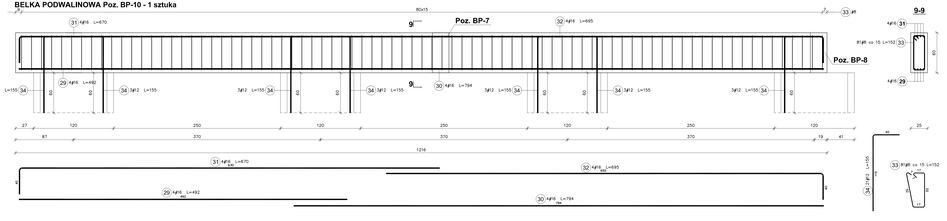

## BELKA PODWALINOWA Poz. BP-8 - 1 sztuka




## BELKA PODWALINOWA Poz. BP-9 - 1 sztuka




## BELKA PODWALINOWA Poz. BP-10 - 1 sztuka




| Elementy | | | Długość | Ilość prętów | | Długość całkowita prętów | |
|---|---|---|---|---|---|---|---|
| Nazwa | Ilość | Nr prętu | Średnica | [cm] | na elementach | suma | w cały |
| | | | | | | # ø | # ø |
| BP-1 | 1 | 1 | 16 | 940 | 4 | 4 | 37,60 |
| | | 2 | 16 | 1128 | 4 | 4 | 45,12 |
| | | 3 | 16 | 1061 | 4 | 4 | 42,44 |
| | | 4 | 16 | 1086 | 4 | 4 | 43,44 |
| | | 5 | 8 | 152 | 133 | 133 | 200,16 |
| | | 34 | 12 | 155 | 33 | 33 | 51,15 |
| BP-10 | 1 | 28 | 16 | 482 | 4 | 4 | 19,68 |
| | | 30 | 16 | 794 | 4 | 4 | 31,76 |
| | | 31 | 16 | 670 | 4 | 4 | 26,80 |
| | | 32 | 16 | 695 | 4 | 4 | 27,80 |
| | | 33 | 8 | 152 | 81 | 81 | 122,13 |
| | | 34 | 12 | 155 | 21 | 21 | 32,55 |
| BP-2 | 1 | 6 | 16 | 336 | 4 | 4 | 13,44 |
| | | 7 | 16 | 416 | 4 | 4 | 16,64 |
| | | 8 | 8 | 152 | 23 | 23 | 34,96 |
| | | 34 | 12 | 155 | 9 | 9 | 13,95 |
| BP-3 | 1 | 9 | 16 | 265 | 4 | 4 | 10,60 |
| | | 10 | 16 | 345 | 4 | 4 | 13,80 |
| | | 11 | 8 | 152 | 18 | 18 | 27,36 |
| | | 34 | 12 | 155 | 9 | 9 | 13,95 |
| BP-4 | 1 | 12 | 16 | 211 | 4 | 4 | 8,44 |
| | | 13 | 16 | 291 | 4 | 4 | 11,64 |
| | | 14 | 8 | 152 | 15 | 15 | 22,80 |
| | | 34 | 12 | 155 | 6 | 6 | 9,30 |
| BP-5, BP-6 | 2 | 15 | 16 | 431 | 8 | 8 | 34,48 |
| | | 16 | 16 | 511 | 4 | 8 | 40,88 |
| | | 17 | 8 | 152 | 29 | 29 | 88,16 |
| | | 34 | 12 | 155 | 9 | 18 | 27,90 |
| BP-7 | 1 | 18 | 16 | 605 | 4 | 4 | 24,20 |
| | | 19 | 16 | 685 | 4 | 4 | 27,40 |
| | | 20 | 8 | 152 | 41 | 41 | 62,32 |
| | | 34 | 12 | 155 | 13 | 13 | 19,81 |
| BP-8 | 1 | 21 | 16 | 605 | 4 | 4 | 24,20 |
| | | 22 | 16 | 685 | 4 | 4 | 27,40 |
| | | 23 | 8 | 152 | 41 | 41 | 62,32 |
| | | 34 | 12 | 155 | 9 | 9 | 13,95 |
| BP-9 | 1 | 24 | 16 | 474 | 4 | 4 | 18,96 |
| | | 25 | 16 | 1200 | 4 | 4 | 48,00 |
| | | 26 | 16 | 864 | 4 | 4 | 34,56 |
| | | 27 | 16 | 889 | 4 | 4 | 35,56 |
| | | 28 | 8 | 152 | 107 | 107 | 162,64 |
| | | 34 | 12 | 155 | 21 | 21 | 32,55 |
| Długość wg średnic [m] | | | | | | 783,84 | 213,90 | 644,84 |
| Masa 1 m pręta [kg/m] | | | | | | 0,40 | 0,89 | 1,58 |
| Masa łącznie wg średnic [kg] | | | | | | 313,47 | 190,34 | 1018,40 |
| Masa łącznie wg gatunku stali [kg] | | | | | | | 1503,80 | |
| Ogółem [kg] | | | | | | | 1503,80 | |

BETON C25/30 (B30) - KONSTRUKCJA NADZIEMNA

BETON C25/30 (B30) WB - FUNDAMENTY

STAL ZBROJENIOWA RB500W (A-IIIN)

OTULENIE PRĘTÓW ZBROJENIOWYCH:
- FUNDAMENTY- 5 cm
- ELEMENTY NADZIEMNE- 3cm

| | |
|---|---|
| OBIEKT: | Przebudowa i rozbudowa szkoły podstawowej im. Św. Jana Bosko w Zakrzowie wraz z instalacjami wewnętrznymi w budynku i zaplecu budynków |
| LOKALIZACJA: | SZKOŁA PODSTAWOWA im. Św. Jana Bosko, ZAKRZÓW nr 323 |
| INWESTOR: | |
| PROJEKT OPRACOWAŁ: | mgr inż. WALDEMAR POTOMSKI<br>UPR BIŁZ OIUM /WK-3328/2<br>tpwp@onet.komorkowy@wodadarska |
| SPRAWDZAŁ: | mgr inż. MICHAŁ DRÓB<br>UPR BIŁZ OIUM /WK-3328/2<br>tpwp@onet.komorkowy@wodadarska |
| BRANŻA: | KONSTRUKCJA |
| FAZA: | PROJEKT WYKONAWCZY |
| TEMAT RYSUNKU: | ZBROJENIE BELEK PODWALINOWYCH |
| DATA: | 10.2018 |
| SKALA: | 1:20 |
| STRONA: | PW |
| NUMER RYSUNKU: | 6K |
| WERSJA: | |