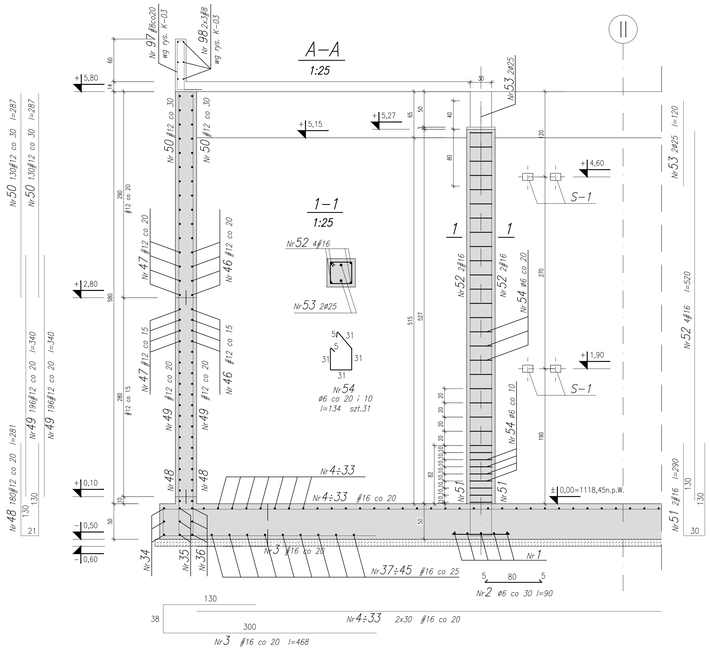
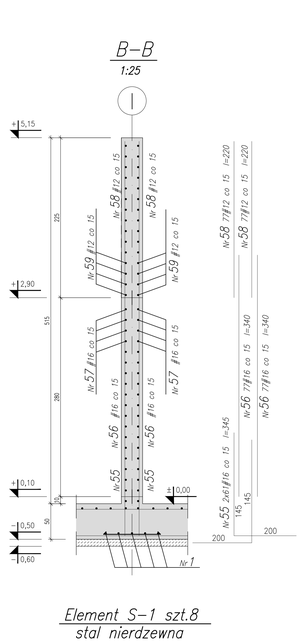
# ZBIORNIK WYRÓWNAWCZY WODY UZDATNIONEJ Vcz=500m3 – ZBROJENIE ZBIORNIKA

## A–A 1:25



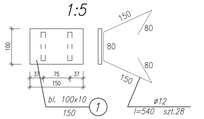

## B–B 1:25



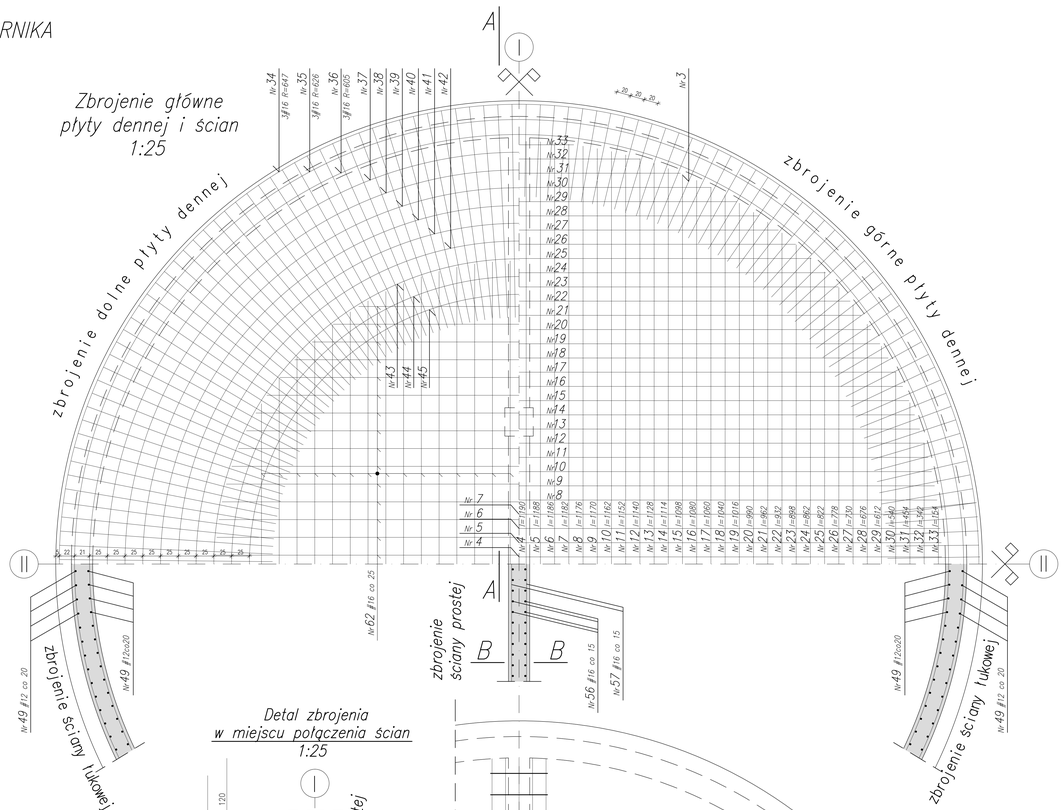

## 1–1 1:25



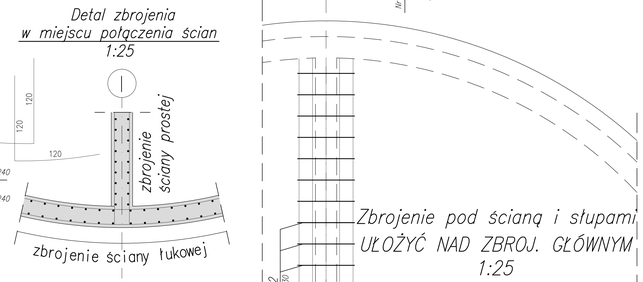

## Element S–1 szt.8 stal nierdzewna 1:5




## Zbrojenie główne płyty dennej i ścian 1:25

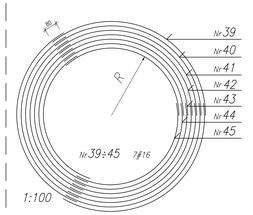



## Detal zbrojenia w miejscu połączenia ścian 1:25

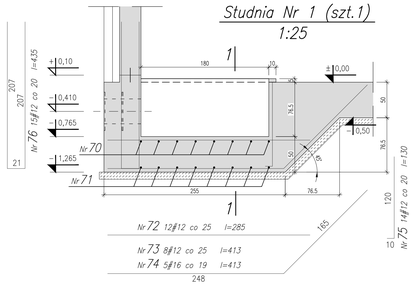



## Zbrojenie pod ścianą i słupami UŁOŻYĆ NAD ZBROJ. GŁÓWNYM 1:25

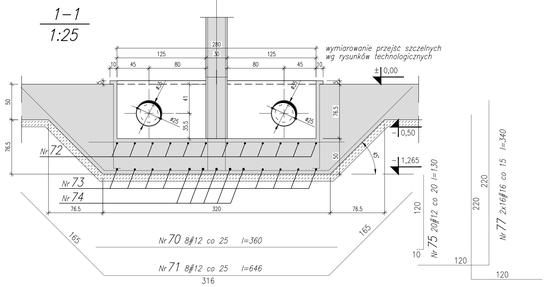
| Nr | R | l (dł.) | Σl | szt. |
|---|---|---|---|---|
| 45 | 380 | 875 | 2625 | 1 |
| 44 | 405 | 927 | 2781 | 1 |
| 43 | 430 | 980 | 2940 | 1 |
| 42 | 455 | 1032 | 3096 | 1 |
| 41 | 480 | 1084 | 3252 | 1 |
| 40 | 505 | 1137 | 3411 | 1 |
| 39 | 530 | 1189 | 3367 | 1 |



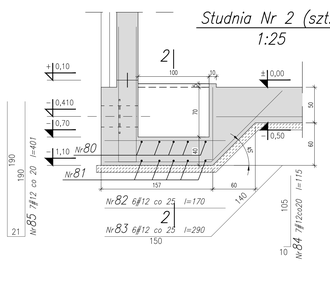

## Studnia Nr 1 (szt.1) 1:25



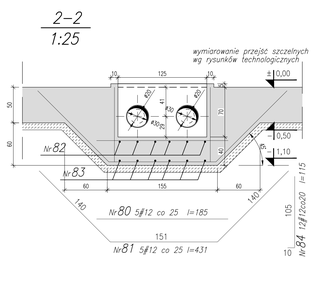

## 1–1 1:25



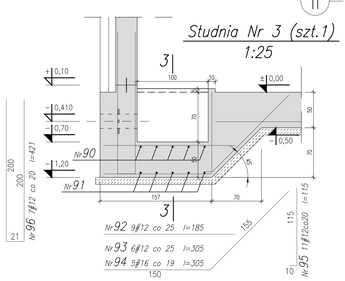

## Studnia Nr 2 (szt.2) 1:25



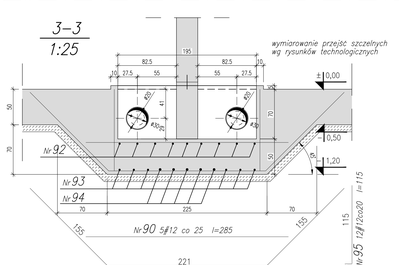

## 2–2 1:25

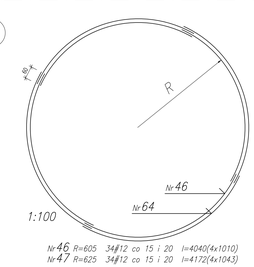


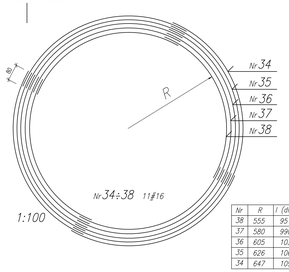

## Studnia Nr 3 (szt.1) 1:25




## 3–3 1:25




| Nr | R | l (dł.) | Σl | szt. |
|---|---|---|---|---|
| 38 | 555 | 951 | 2853 | 1 |
| 37 | 580 | 990 | 1960 | 1 |
| 36 | 605 | 1030 | 4120 | 3 |
| 35 | 626 | 1063 | 4252 | 3 |
| 34 | 647 | 1096 | 4384 | 3 |

## Zestawienie stali zbrojeniowej

| Szt. el. | Nr pręta | Średn. | Dł. jedn. (cm) | Ilość w 1 elem. (szt) | Ilość razem (szt) | Długość całkowita (m) Ø6 | #12 | #16 | Ø25 |
|---|---|---|---|---|---|---|---|---|---|
| | 1 | #16 | 840 | 10 | 10 | | | 84,0 | |
| | 1' | #16 | 1200 | 5 | 5 | | | 60,0 | |
| | 2 | Ø6 | 90 | 86 | 86 | 77,4 | | | |
| 1 | 3 | #16 | 468 | 204 | 204 | | | 954,7 | |
| 1 | 4 | #16 | 1190 | 4 | 4 | | | 47,6 | |
| | 5 | #16 | 1188 | 4 | 4 | | | 47,5 | |
| | 6 | #16 | 1186 | 4 | 4 | | | 47,4 | |
| | 7 | #16 | 1182 | 4 | 4 | | | 47,3 | |
| | 8 | #16 | 1176 | 4 | 4 | | | 47,0 | |
| | 9 | #16 | 1170 | 4 | 4 | | | 46,8 | |
| | 10 | #16 | 1162 | 4 | 4 | | | 46,5 | |
| | 11 | #16 | 1152 | 4 | 4 | | | 46,1 | |
| | 12 | #16 | 1140 | 4 | 4 | | | 45,6 | |
| | 13 | #16 | 1128 | 4 | 4 | | | 45,1 | |
| | 14 | #16 | 1114 | 4 | 4 | | | 44,6 | |
| | 15 | #16 | 1098 | 4 | 4 | | | 43,9 | |
| | 16 | #16 | 1080 | 4 | 4 | | | 43,2 | |
| | 17 | #16 | 1060 | 4 | 4 | | | 42,4 | |
| | 18 | #16 | 1040 | 4 | 4 | | | 41,6 | |
| | 19 | #16 | 1016 | 4 | 4 | | | 40,6 | |
| | 20 | #16 | 990 | 4 | 4 | | | 39,6 | |
| | 21 | #16 | 962 | 4 | 4 | | | 38,5 | |
| | 22 | #16 | 932 | 4 | 4 | | | 37,3 | |
| | 23 | #16 | 898 | 4 | 4 | | | 35,9 | |
| | 24 | #16 | 862 | 4 | 4 | | | 34,5 | |
| | 25 | #16 | 822 | 4 | 4 | | | 32,9 | |
| | 26 | #16 | 778 | 4 | 4 | | | 31,1 | |
| | 27 | #16 | 730 | 4 | 4 | | | 29,2 | |
| | 28 | #16 | 676 | 4 | 4 | | | 27,0 | |
| | 29 | #16 | 612 | 4 | 4 | | | 24,5 | |
| | 30 | #16 | 540 | 4 | 4 | | | 21,6 | |
| | 31 | #16 | 454 | 4 | 4 | | | 18,2 | |
| | 32 | #16 | 342 | 4 | 4 | | | 13,7 | |
| | 33 | #16 | 154 | 4 | 4 | | | 6,2 | |
| 1 | 34 | #16 | 1096 | 12 | 12 | | | 131,5 | |
| | 35 | #16 | 1063 | 12 | 12 | | | 127,6 | |
| | 36 | #16 | 1030 | 12 | 12 | | | 123,6 | |
| | 37 | #16 | 990 | 4 | 4 | | | 39,6 | |
| | 38 | #16 | 951 | 4 | 4 | | | 38,0 | |
| | 39 | #16 | 1189 | 3 | 3 | | | 35,7 | |
| | 40 | #16 | 1137 | 3 | 3 | | | 34,1 | |
| | 41 | #16 | 1084 | 3 | 3 | | | 32,5 | |
| | 42 | #16 | 1032 | 3 | 3 | | | 31,0 | |
| | 43 | #16 | 980 | 3 | 3 | | | 29,4 | |
| | 44 | #16 | 927 | 3 | 3 | | | 27,8 | |
| | 45 | #16 | 875 | 3 | 3 | | | 26,3 | |
| | 46 | #12 | 1010 | 136 | 136 | | 1373,6 | | |
| | 47 | #12 | 1043 | 136 | 136 | | 1418,5 | | |
| 1 | 48 | #12 | 281 | 180 | 180 | | 505,8 | | |
| | 49 | #12 | 340 | 392 | 392 | | 1332,8 | | |
| | 50 | #12 | 287 | 260 | 260 | | 746,2 | | |
| 2 | 51 | #16 | 290 | 2 | 4 | | | 11,6 | |
| | 52 | #16 | 520 | 4 | 8 | | | 41,6 | |
| | 53 | Ø25 | 120 | 2 | 4 | | | | 4,8 |
| | 54 | Ø6 | 134 | 31 | 62 | 83,1 | | | |
| 1 | 55 | #16 | 345 | 122 | 122 | | | 420,9 | |
| | 56 | #16 | 340 | 154 | 154 | | | 523,6 | |
| | 57 | #16 | 1200 | 38 | 38 | | | 456,0 | |
| | 58 | #12 | 220 | 154 | 154 | | 338,8 | | |
| | 59 | #12 | 1200 | 30 | 30 | | 360,0 | | |
| | 60 | #16 | 240 | 76 | 76 | | | 182,4 | |
| | 61 | #12 | 240 | 60 | 60 | | 144 | | |
| 1 | 62 | #16 | 726 | 60 | 60 | | | 435,6 | |
| 1 | 70 | #12 | 360 | 8 | 8 | | 28,8 | | |
| | 71 | #12 | 646 | 8 | 8 | | 51,7 | | |
| | 72 | #12 | 285 | 12 | 12 | | 34,2 | | |
| | 73 | #12 | 413 | 8 | 8 | | 33,0 | | |
| | 74 | #16 | 413 | 5 | 5 | | | 20,7 | |
| | 75 | #12 | 130 | 34 | 34 | | 44,2 | | |
| | 76 | #12 | 435 | 15 | 15 | | 65,3 | | |
| | 77 | #16 | 340 | 32 | 32 | | | 108,8 | |
| 2 | 80 | #12 | 185 | 5 | 10 | | 18,5 | | |
| | 81 | #12 | 431 | 5 | 10 | | 43,1 | | |
| | 82 | #12 | 170 | 6 | 12 | | 20,4 | | |
| | 83 | #12 | 290 | 6 | 12 | | 34,8 | | |
| | 84 | #12 | 115 | 19 | 38 | | 43,7 | | |
| | 85 | #12 | 401 | 7 | 14 | | 56,1 | | |
| 1 | 90 | #12 | 285 | 5 | 5 | | 14,3 | | |
| | 91 | #12 | 531 | 5 | 5 | | 26,6 | | |
| | 92 | #12 | 185 | 9 | 9 | | 16,7 | | |
| | 93 | #12 | 305 | 6 | 6 | | 18,3 | | |
| | 94 | #16 | 305 | 5 | 5 | | | 15,3 | |
| | 95 | #12 | 115 | 33 | 33 | | 38,0 | | |
| | 96 | #12 | 421 | 7 | 7 | | 29,5 | | |
| | ŁĄCZNA DŁUGOŚĆ POSZCZ. ŚREDN. [m] | | | | | 160,5 | 6836,7 | 5105,5 | 4,8 |
| | MASA JEDNOSTKOWA [kg/m] | | | | | 0,222 | 0,888 | 1,58 | 3,85 |
| | MASA POSZCZ. ŚREDN. [kg] | | | | | 35,6 | 6071,0 | 8066,7 | 18,5 |
| | ŁĄCZNA MASA [kg] | | | | | | | 14191,8 | |

*BETON: KONSTR.: C25/30 (B30) hydrotech. W8*
*PODKŁAD.: C8 /10 (B10)*
*STAL: ∅ – A–IIIN (RB 500 W)*
*∅ – A–0 (StOS)*
*Otulina: PŁYTA DENNA 5cm; ŚCIANA, SŁUPY 3,5cm, do lica prętów zbroj. głównego*

*UWAGI:*
1. *Na odcinku studni Nr 1.2.3 pręty zbrojenia płyty wyciąć a w ścianie osadzić przejścia szczelne wg. projektu technol.*
2. *Przejścia rurociągów technologicznych przez płytę fundamentową wykonać wg projektu technologicznego*
3. *Obiekt posadawiać na nienaruszonym gruncie rodzimym z wyłączeniem torfów, namułów i innych gruntów nienośnych*
4. *Grunt w wykopie musi być odebrany i potwierdzony wpisem do dziennika budowy,*
5. *W trakcie prowadzenia prac ziemnych nie wolno dopuścić do zawilgocenia występujących w podłożu gruntów spoistych*

A (4–2017 Korekta zbrojenia płyty fund.

| | | | |
|---|---|---|---|
| AUTOR OPRACOWANIA | AUTOPRACOWNIA PROJEKTOWANIA ARCHITEKTONICZNEGO | mgr inż. arch. Paweł Wróblewski | |
| | | DOMINIKANIEC Sp. z o.o. | |
| INWESTOR | ZWiK SP. Z O.O. 15-106 ŁAPY, UL. PIŁSUDSKIEGO 44 | | |
| TEMAT | ROZBUDOWA STACJI WODOCIĄGOWEJ W MIEJSCU STRUMIANKI PUNKT CZERWONKA, GM. ŁAPY, POW. MIELOWSKI, WOJ. PODLASKIE ZBIORNIK 02 – ŁAPY 02, PUNKOWSKA 44 02.1985, 02.1985, 1985, 1985Ø ŁAPY 1 | | |
| | Budowa zbiornika wyrównawczego wody uzdatnionej 22 w Łapach | | |
| | ZBROJENIE ŚCIAN I DNA, ZEST. STALI ZBROJENIOWEJ | | |
| PROJEKTOWAŁ | mgr inż. Marcin Andrzejewski | SKARBNIK KONSTRUKCJI | mgr inż. PAWEŁ WRÓBLEWSKI |
| SPRAWDZIŁ | mgr inż. Paweł Wróblewski | Nr upr. K–02/22 | |
| OPRACOWAŁ | mgr inż. Paweł Chrzanowski | data 07.2015 | Skala 1:25 |
| | | | Nr rys. 4 |