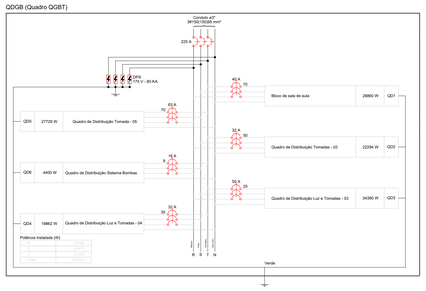
## Quadro de Cargas (QDGB)

| Circuito | Descrição | Esquema | Método de inst. | V (V) | Pot. total (W) | Pot. total (VA) | Fases | Pot. - R (W) | Pot. - S (W) | Pot. - T (W) | FCT | FCA | Iz (A) | Seção (mm2) | Comp. (m) | Dq (%) | dV parc (%) | dV total (%) | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QD1 | Bloco de sala de aula | 3F+N+T | B1 | 380 / 220 V | 53520 | 59467 | 3+N+T | 19840 | 19840 | 19840 | 0.91 | 1.00 | 84.1 | 16.0 | 40.4 | 0.38 | 0.41 | 0.41 | Ok |
| QD2 | Quadro de Distribuição Tomadas - 02 | 3F+N+T | B1 | 380 / 220 V | 24243 | 22294 | 3+N+T | 11900 | 4914 | 5780 | 1.00 | 0.98 | 28.5 | 50 | 175.0 | 32.0 | 0.96 | 1.37 | Ok |
| QD3 | Quadro de Distribuição Luz e Tomadas - 03 | 3F+N+T | B1 | 380 / 220 V | 41413 | 34390 | 3+N+T | 18020 | 8580 | 7930 | 1.00 | 0.85 | 49.4 | 25 | 117.0 | 50.0 | 0.21 | 0.62 | Ok |
| QD5 | Quadro de Distribuição Tomada - 05 | 3F+N+T | B1 | 380 / 220 V | 34800 | 27729 | 3+N+T | 17700 | 5159 | 4870 | 1.00 | 0.98 | 50.9 | 70 | 171.0 | 63.0 | 0.39 | 1.10 | Ok |
| QD6 | Quadro de Distribuição Sistema Bombas | 3F+N+T | B1 | 380 / 220 V | 2200 | 1692 | 3+N+T | 1100 | 592 | 0 | 1.00 | 0.98 | 3.2 | 4 | 40.0 | 13.0 | 1.07 | 2.40 | Ok |
| QD4 | | 3F+N+T | B1 | 380 / 220 V | 22443 | 19862 | 3+N+T | 10800 | 4340 | 4722 | 1.00 | 0.41 | 80.4 | 50 | 144.0 | 32.0 | 0.58 | 0.99 | Ok |
| TOTAL | | | | | 181503 | 137539 | 3+N+T | 79700 | 30473 | 31362 | | | | | | | | | |

## Quadro de Demanda (QDGB)

| Tipo de carga | Potência instalada (W/A) | Fator de demanda (%) | Demanda (W/A) |
|---|---|---|---|
| Motores | 8.75 | 100 | 8.75 |
| Iluminação e TUG's (Escolas e semelhantes) | 53.95 | 100 | 53.95 |
| | 142.80 | 50 | 71.40 |
| | | TOTAL | 88.48 |

## QDGB (Quadro QGBT)




## Quadro de Cargas (QD1)

| Circuito | Descrição | Esquema | Método de inst. | V (V) | Iluminação (W) | Tomadas (W) | | | | | Pot. total (VA) | Pot. total (W) | Fases | Pot. - R (W) | Pot. - S (W) | Pot. - T (W) | FCT | FCA | Iz (A) | Seção (mm2) | N (m) | Dq (%) | dV parc (%) | dV total (%) | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 20 | 100 | 200 | 300 | 400 | 500 | | | | | | | | | | | | | | | |
| 1 | Iluminação | F+N | B1 | 220 V | 20 | | | | | | 792 | 640 | 1 | 640 | | | 1.00 | 0.98 | 5.5 | 2.5 | 31.0 | 10.0 | 0.97 | 2.22 | Ok |
| e | | | | | 4 | | | | | | 108 | 128 | 1 | | | | 1.00 | 0.0 | 0.5 | 2.5 | 31.0 | | | | Ok |
| m | | | | | 4 | | | | | | 108 | 128 | 1 | | | | 1.00 | 0.0 | 0.5 | 2.5 | 31.0 | | | | Ok |
| n | | | | | | | | | | | 0 | 0 | 1 | | | | 1.00 | 0.0 | 0.5 | 2.5 | 31.0 | | | | Ok |
| s | | | | | 2 | | | | | | 79 | 64 | 1 | | | | 1.00 | 0.0 | 0.5 | 2.5 | 31.0 | | | | Ok |
| t | | | | | 2 | | | | | | 79 | 64 | 1 | | | | 1.00 | 0.0 | 0.5 | 2.5 | 31.0 | | | | Ok |
| 2 | Iluminação | F+N | B1 | 220 V | 20 | | | | | | 790 | 640 | 1 | 640 | | | 1.00 | 0.98 | 5.5 | 2.5 | 31.0 | 10.0 | 0.71 | 1.95 | Ok |
| a | | | | | | | | | | | 0 | 0 | 1 | | | | 1.00 | 0.0 | 0.5 | 2.5 | 31.0 | | | | Ok |
| b | | | | | | | | | | | 0 | 0 | 1 | | | | 1.00 | 0.0 | 0.5 | 2.5 | 31.0 | | | | Ok |
| c | | | | | 12 | | | | | | 474 | 384 | 1 | 384 | | | 1.00 | 0.0 | 3.3 | 2.5 | 31.0 | | | | Ok |
| k | | | | | | | | | | | 0 | 0 | 1 | | | | 1.00 | 0.0 | 0.5 | 2.5 | 31.0 | | | | Ok |
| l | | | | | | | | | | | 0 | 0 | 1 | | | | 1.00 | 0.0 | 0.5 | 2.5 | 31.0 | | | | Ok |
| o | | | | | 8 | | | | | | 316 | 256 | 1 | 256 | | | 1.00 | 0.0 | 2.2 | 2.5 | 31.0 | | | | Ok |
| 3 | Iluminação Emergencia | F+N+T | B1 | 220 V | | | | 14 | | | 1400 | 280 | 1 | 280 | | | 1.00 | 0.98 | 14.1 | 2.5 | 31.0 | 10.0 | 0.84 | 2.08 | Ok |
| 4 | Tomadas | F+N+T | B1 | 220 V | | | 5 | 2 | | | 1056 | 900 | 1 | | 900 | 1.00 | 0.98 | 12.8 | 2.5 | 31.0 | 10.0 | 1.06 | 2.31 | Ok |
| 5 | Tomadas | F+N+T | B1 | 220 V | | | 5 | 2 | | | 1056 | 1000 | 1 | | | 1000 | 1.00 | 0.98 | 12.8 | 2.5 | 31.0 | 10.0 | 1.06 | 2.31 | Ok |
| 6 | Tomadas | F+N+T | B1 | 220 V | | | 10 | 2 | | | 1667 | 1400 | 1 | | | 1400 | 1.00 | 0.98 | 19.9 | 2.5 | 31.0 | 10.0 | 1.31 | 2.76 | Ok |
| 7 | Chuveiro | F+N+T | B1 | 220 V | | | | | | 1 | 4400 | 4400 | 1 | 4400 | | | 1.00 | 0.98 | 52.6 | 6 | 54.0 | 20.0 | 2.63 | 3.08 | Ok |
| 8 | Chuveiro | F+N+T | B1 | 220 V | | | | | | 1 | 4400 | 4400 | 1 | | | 4400 | 1.00 | 0.98 | 52.6 | 6 | 54.0 | 20.0 | 2.51 | 3.76 | Ok |
| 9 | Chuveiro | F+N+T | B1 | 220 V | | | | | | 1 | 4400 | 4400 | 1 | | 4400 | | 1.00 | 0.98 | 52.6 | 6 | 54.0 | 20.0 | 2.51 | 3.76 | Ok |
| 10 | Ar condicionado | F+N+T | B1 | 220 V | | | | | | 1 | 4000 | 3600 | R | 3600 | | | 1.00 | 0.98 | 47.8 | 6 | 54.0 | 20.0 | 2.33 | 3.58 | Ok |
| 11 | Ar condicionado | F+N+T | B1 | 220 V | | | | | | 1 | 4000 | 3600 | R | 3600 | | | 1.00 | 0.98 | 47.8 | 6 | 54.0 | 20.0 | 1.94 | 3.19 | Ok |
| 12 | Ar condicionado | F+N+T | B1 | 220 V | | | | | | 1 | 4000 | 3600 | R | 3600 | | | 1.00 | 0.98 | 47.8 | 6 | 54.0 | 20.0 | 1.85 | 3.10 | Ok |
| 13 | Reserva | F+N | B1 | 220 V | | | | | | | 0 | 0 | S | | | | 1.00 | 1.00 | 0.0 | 2.5 | 31.0 | 10.0 | | 1.25 | Ok |
| 14 | Reserva | F+N | B1 | 220 V | | | | | | | 0 | 0 | S | | | | 1.00 | 1.00 | 0.0 | 2.5 | 31.0 | 10.0 | | 1.25 | Ok |
| 15 | Reserva | F+N | B1 | 220 V | | | | | | | 0 | 0 | S | | | | 1.00 | 1.00 | 0.0 | 2.5 | 31.0 | 10.0 | | 1.25 | Ok |
| TOTAL | | | | | 40 | 14 | 21 | 6 | 3 | 3 | 32287 | 28860 | R+S+T | 15200 | 5320 | 8340 | | | | | | | | | |

## Quadro de Demanda (QD1)

| Tipo de carga | Potência instalada (W/A) | Fator de demanda (%) | Demanda (W/A) |
|---|---|---|---|
| Iluminação e TUG's (Escolas e semelhantes) | 22.07 | 100 | 22.07 |
| | 26.15 | 50 | 13.08 |
| | | TOTAL | 35.15 |

## QD1 (Bloco de sala de aula)




## Quadro de Cargas (QD2)

| Circuito | Descrição | Esquema | Método de inst. | V (V) | Iluminação (W) | | | | Tomadas (W) | | | | | | Pot. total (VA) | Pot. total (W) | Fases | Pot. - R (W) | Pot. - S (W) | Pot. - T (W) | FCT | FCA | Iz (A) | Seção (mm2) | N (m) | Dq (%) | dV parc (%) | dV total (%) | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 20 | 100 | 150 | 200 | 300 | 400 | 500 | 600 | 1000 | 4400 | | | | | | | | | | | | | | |
| 1 | Iluminação | F+N | B1 | 220 V | 12 | | | | | | | | | | 474 | 384 | S | 384 | | | 1.00 | 0.98 | 3.3 | 2.5 | 31.0 | 10.0 | 0.41 | 1.79 | Ok |
| m | | | | | 12 | | | | | | | | | | 474 | 384 | S | 384 | | | 0.65 | 1.0 | 3.3 | 2.5 | 31.0 | | | | Ok |
| n | | | | | 4 | | | | | | | | | | 158 | 128 | S | | 128 | | 0.70 | 1.0 | 0.5 | 2.5 | 31.0 | | | | Ok |
| 2 | Iluminação | F+N | B1 | 220 V | 20 | | | | | | | | | | 790 | 640 | S | | 640 | | 1.00 | 0.98 | 5.5 | 2.5 | 31.0 | 10.0 | 0.43 | 1.81 | Ok |
| a | | | | | 4 | | | | | | | | | | 158 | 128 | S | | 128 | | 0.70 | 1.0 | 0.5 | 2.5 | 31.0 | | | | Ok |
| b | | | | | 12 | | | | | | | | | | 474 | 384 | S | | 384 | | 0.70 | 1.0 | 3.3 | 2.5 | 31.0 | | | | Ok |
| 3 | Iluminação externa | F+N | B1 | 220 V | 1 | | 1 | | | | | | | | 79 | 64 | S | | | 64 | 1.00 | 0.98 | 0.5 | 2.5 | 31.0 | 10.0 | 0.09 | 2.37 | Ok |
| s | | | | | 2 | | | | | | | | | | 316 | 256 | S | | | 256 | 0.45 | 0.8 | 2.5 | 31.0 | | | | | Ok |
| 4 | Tomadas | F+N+T | B1 | 220 V | 5 | 2 | | | | | | | | | 1056 | 900 | S | | 900 | | 1.00 | 0.98 | 10.3 | 2.5 | 31.0 | 10.0 | 0.85 | 1.98 | Ok |
| 5 | Tomadas | F+N+T | B1 | 220 V | 5 | 2 | | | | | | | | | 1417 | 1200 | S | | 1200 | | 1.00 | 0.98 | 14.1 | 2.5 | 31.0 | 10.0 | 0.97 | 1.90 | Ok |
| 6 | Tomadas | F+N+T | B1 | 220 V | 5 | 2 | | | | | | | | | 936 | 680 | S | | | 680 | 1.00 | 0.98 | 10.9 | 2.5 | 31.0 | 10.0 | 0.97 | 1.90 | Ok |
| 7 | Tomadas rack | F+N+T | B1 | 220 V | | | | | 3 | | | | | | 2205 | 1800 | S | | 1800 | | 1.00 | 0.98 | 29.4 | 4 | 40.0 | 13.0 | 0.05 | 1.42 | Ok |
| 8 | Chuveiro | F+N+T | B1 | 220 V | | | | | | | 1 | | | | 4400 | 4400 | S | | | 4400 | 1.00 | 0.98 | 52.6 | 6 | 54.0 | 20.0 | 0.79 | 2.17 | Ok |
| 9 | Chuveiro | F+N+T | B1 | 220 V | | | | | | | 1 | | | | 4400 | 4400 | S | 4400 | | | 1.00 | 0.98 | 52.6 | 6 | 54.0 | 20.0 | 0.79 | 2.17 | Ok |
| 10 | Ar condicionado | F+N+T | B1 | 220 V | | | | | | | 1 | | | | 4000 | 3600 | R | 3600 | | | 1.00 | 0.98 | 47.8 | 6 | 54.0 | 20.0 | 0.81 | 1.99 | Ok |
| 11 | Ar condicionado | F+N+T | B1 | 220 V | | | | | | | 1 | | | | 4000 | 3600 | R | 3600 | | | 1.00 | 0.41 | 44.5 | 6 | 54.0 | 20.0 | 0.81 | 1.99 | Ok |
| 12 | Reserva | F+N | B1 | 220 V | | | | | | | | | | | 0 | 0 | S | | | | 1.00 | 1.00 | 0.0 | 2.5 | 31.0 | 10.0 | | 1.37 | Ok |
| 13 | Reserva | F+N | B1 | 220 V | | | | | | | | | | | 0 | 0 | S | | | | 1.00 | 1.00 | 0.0 | 2.5 | 31.0 | 10.0 | | 1.37 | Ok |
| 14 | Reserva | F+N | B1 | 220 V | | | | | | | | | | | 0 | 0 | S | | | | 1.00 | 1.00 | 0.0 | 2.5 | 31.0 | 10.0 | | 1.37 | Ok |
| TOTAL | | | | | 52 | 1 | 12 | 4 | 2 | 3 | 2 | 3 | 1 | 2 | 25243 | 22294 | 3N+S+T | 11900 | 4914 | 5780 | | | | | | | | |

## Quadro de Demanda (QD2)

| Tipo de carga | Potência instalada (W/A) | Fator de demanda (%) | Demanda (W/A) |
|---|---|---|---|
| Iluminação e TUG's (Escolas e semelhantes) | 12.99 | 100 | 12.99 |
| | 10.24 | 50 | 5.12 |
| | | TOTAL | 18.12 |

## QD2 (Quadro de Distribuição Tomadas - 02)




## Quadro de Demanda (QD3)

| Tipo de carga | Potência instalada (W/A) | Fator de demanda (%) | Demanda (W/A) |
|---|---|---|---|
| Iluminação e TUG's (Escolas e semelhantes) | 12.00 | 100 | 12.00 |
| | 28.61 | 50 | 14.71 |
| | | TOTAL | 26.71 |

## Quadro de Cargas (QD3)

| Circuito | Descrição | Esquema | Método de inst. | V (V) | Iluminação (W) | | | | | | Tomadas (W) | | | | | | | Pot. total (VA) | Pot. total (W) | Fases | Pot. - R (W) | Pot. - S (W) | Pot. - T (W) | FCT | FCA | Iz (A) | Seção (mm2) | N (m) | Dq (%) | dV parc (%) | dV total (%) | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 32 | 100 | 130 | 245 | 400 | 500 | 600 | 800 | 1000 | 1200 | 2000 | 3500 | 4750 | | | | | | | | | | | | | |
| 1 | Iluminação | F+N | B1 | 220 V | 12 | | | | | | | | | | | | | 474 | 384 | S | 384 | | | 1.00 | 0.98 | 3.3 | 2.5 | 31.0 | 10.0 | 0.22 | 1.58 | Ok |
| ht | | | | | 12 | | | | | | | | | | | | | 474 | 384 | S | | 384 | | 0.65 | 1.0 | 3.3 | 2.5 | 31.0 | | | | Ok |
| hi | | | | | | | | | | | | | | | | | | 79 | 64 | S | | | 64 | 0.70 | 0.5 | 2.5 | 31.0 | | | | Ok |
| 2 | Tomadas | F+N+T | B1 | 220 V | | | | 1 | | | | | | | | | | 506 | 240 | S | 240 | | | 1.00 | 0.50 | 2.8 | 2.5 | 31.0 | 10.0 | 0.13 | 1.23 | Ok |
| 3 | Tomadas | F+N+T | B1 | 220 V | | | | | | | | | | | | | | 306 | 240 | S | | 240 | | 1.00 | 0.50 | 2.8 | 2.5 | 31.0 | 10.0 | 0.13 | 1.23 | Ok |
| 4 | Tomadas | F+N+T | B1 | 220 V | | | | | | | 1 | | | | | | 1 | 1056 | 900 | S | | | 900 | 1.00 | 0.98 | 10.3 | 2.5 | 31.0 | 10.0 | 0.47 | 1.57 | Ok |
| 5 | Tomadas | F+N+T | B1 | 220 V | | | | | | 1 | | | | | | | | 500 | 500 | T | 500 | | | 1.00 | 0.50 | 5.7 | 2.5 | 31.0 | 10.0 | 0.27 | 1.37 | Ok |
| 6 | Tomadas | F+N+T | B1 | 220 V | | | | | | | | 1 | | | | | | 1150 | 920 | T | | 920 | | 1.00 | 0.50 | 10.5 | 2.5 | 31.0 | 10.0 | 0.47 | 1.57 | Ok |
| 7 | Tomadas | F+N+T | B1 | 220 V | | | | | | | | | 1 | | | | | 1150 | 1150 | T | | | 1150 | 1.00 | 0.50 | 13.1 | 2.5 | 31.0 | 10.0 | 0.59 | 1.69 | Ok |
| 8 | Tomadas | F+N+T | B1 | 220 V | | | | | | | | | | 1 | | | | 1250 | 1000 | T | 1000 | | | 1.00 | 0.50 | 11.4 | 2.5 | 31.0 | 10.0 | 0.44 | 1.67 | Ok |
| 9 | Tomadas | F+N+T | B1 | 220 V | | | | 1 | | | | | | | | | | 500 | 400 | T | | 400 | | 1.00 | 0.50 | 4.4 | 2.5 | 34.0 | 10.0 | 0.17 | 1.26 | Ok |
| 10 | Tomadas | F+N+T | B1 | 220 V | | | | | | | 1 | | | | | | 1 | 1250 | 1000 | T | | | 1000 | 1.00 | 0.50 | 11.4 | 2.5 | 31.0 | 10.0 | 0.52 | 1.75 | Ok |
| 11 | Tomadas | F+N | B1 | 220 V | | 1 | | | 2 | | | | | | | | | 1250 | 1150 | T | 1150 | | | 1.00 | 0.50 | 13.1 | 2.5 | 31.0 | 10.0 | 0.59 | 1.83 | Ok |
| 12 | Tomadas | F+N+T | B1 | 220 V | | | | | | | | | | | 1 | | | 8375 | 6700 | R | 6700 | | | 1.00 | 0.52 | 77.7 | 16 | 100.0 | 40.0 | 0.32 | 1.48 | Ok |
| 13 | Tomada | F+N+T | B1 | 220 V | | | | | | | | | | | | 1 | | 8875 | 5500 | R | 5500 | | | 1.00 | 0.52 | 80.1 | 10 | 76.0 | 50.0 | 0.47 | 1.63 | Ok |
| 14 | Tomada | F+N+T | B1 | 220 V | | | | | | | | | | | | 1 | | 8875 | 5500 | R | 5500 | | | 1.00 | 0.52 | 80.1 | 10 | 76.0 | 50.0 | 0.56 | 1.72 | Ok |
| 15 | Tomadas | F+N | B1 | 220 V | | 5 | | | | | | | | | | | | 900 | 500 | T | | | 500 | 1.00 | 0.50 | 5.1 | 2.5 | 31.0 | 10.0 | 0.08 | 1.17 | Ok |
| 16 | Tomada | F+N | B1 | 220 V | | 1 | | | | | | | | | | | | 162 | 130 | S | | 130 | | 1.00 | 1.00 | 2.3 | 2.5 | 31.0 | 10.0 | | 0.17 | Ok |
| hi | | | | | | 1 | | | | | | | | | | | | 162 | 130 | S | | | 130 | 1.00 | 0.0 | 2.3 | 2.5 | 31.0 | | | | Ok |
| 17 | Reserva | F+N | B1 | 220 V | | | | | | | | | | | | | | 0 | 0 | S | | | | 1.00 | 1.00 | 0.0 | 2.5 | 31.0 | 10.0 | | 0.17 | Ok |
| 18 | Reserva | F+N | B1 | 220 V | | | | | | | | | | | | | | 0 | 0 | S | | | | 1.00 | 1.00 | 0.0 | 2.5 | 31.0 | 10.0 | | 0.17 | Ok |
| 19 | Reserva | F+N | B1 | 220 V | | | | | | | | | | | | | | 0 | 0 | S | | | | 1.00 | 1.00 | 0.0 | 2.5 | 31.0 | 10.0 | | 0.17 | Ok |
| 20 | Reserva | F+N | B1 | 220 V | | | | | | | | | | | | | | 0 | 0 | S | | | | 1.00 | 1.00 | 0.0 | 2.5 | 31.0 | 10.0 | | 0.17 | Ok |
| TOTAL | | | | | 12 | 6 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 44900 | 37729 | 3N+S+T | 17700 | 5159 | 4870 | | | | | | | | |

## Quadro de Demanda (QD3)

| Tipo de carga | Potência instalada (W/A) | Fator de demanda (%) | Demanda (W/A) |
|---|---|---|---|
| Iluminação e TUG's (Escolas e semelhantes) | 12.00 | 100 | 12.00 |
| | 28.66 | 50 | 14.71 |
| | | TOTAL | 26.71 |

## QD3 (Quadro de Distribuição Luz e Tomadas - 03)




## Quadro de Cargas (QD4)

| Circuito | Descrição | Esquema | Método de inst. | V (V) | Tomadas (W) | | | | | | | | | | Pot. total (VA) | Pot. total (W) | Fases | Pot. - R (W) | Pot. - S (W) | Pot. - T (W) | FCT | FCA | Iz (A) | Seção (mm2) | N (m) | Dq (%) | dV parc (%) | dV total (%) | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 100 | 150 | 200 | 300 | 400 | 500 | 600 | 800 | 1000 | 4400 | | | | | | | | | | | | | | |
| 1 | Iluminação | F+N | B1 | 220 V | 20 | | | | | | | | | | 792 | 640 | S | | 640 | | 1.00 | 0.38 | 4.1 | 2.5 | 31.0 | 10.0 | 3.06 | 4.23 | Ok |
| ht | | | | | | | | | | | | | | | 0 | 0 | S | | | | 1.00 | 0.0 | 2.5 | 31.0 | | | | | Ok |
| hi | | | | | 8 | | | | | | | | | | 158 | 128 | S | | 128 | | 0.70 | 0.5 | 2.5 | 31.0 | | | | | Ok |
| ai | | | | | 4 | | | | | | | | | | 158 | 128 | S | 128 | | | 0.70 | 0.5 | 2.5 | 31.0 | | | | | Ok |
| ih | | | | | 2 | | | | | | | | | | 79 | 64 | S | | 64 | | 0.70 | 0.5 | 2.5 | 31.0 | | | | | Ok |
| ah | | | | | 2 | | | | | | | | | | 79 | 64 | S | 64 | | | 0.70 | 0.5 | 2.5 | 31.0 | | | | | Ok |
| ao | | | | | 2 | | | | | | | | | | 79 | 64 | S | | | 64 | 0.70 | 0.5 | 2.5 | 31.0 | | | | | Ok |
| am | | | | | | | | | | | | | | | 0 | 0 | S | | | | 1.00 | 0.0 | 0.0 | 2.5 | 31.0 | | | | Ok |
| 2 | Iluminação | F+N | B1 | 220 V | 6 | | | | | | | | | | 237 | 192 | T | | | 192 | 1.00 | 0.38 | 1.2 | 2.5 | 31.0 | 10.0 | 0.18 | 1.35 | Ok |
| an | | | | | 2 | | | | | | | | | | 79 | 64 | T | | | 64 | 0.70 | 0.5 | 2.5 | 31.0 | | | | | Ok |
| ac | | | | | 2 | | | | | | | | | | 79 | 64 | T | | | 64 | 0.70 | 0.5 | 2.5 | 31.0 | | | | | Ok |
| ad | | | | | 2 | | | | | | | | | | 79 | 64 | T | | | 64 | 0.70 | 0.5 | 2.5 | 31.0 | | | | | Ok |
| 3 | Tomadas | F+N | B1 | 220 V | | | | | | | 3 | | | | 333 | 300 | T | | | 300 | 1.00 | 0.38 | 4.3 | 2.5 | 31.0 | 10.0 | 0.22 | 1.61 | Ok |
| 4 | Tomadas | F+N+T | B1 | 220 V | | | | | | | 1 | 1 | | | 901 | 800 | T | | | 800 | 1.00 | 0.38 | 11.1 | 2.5 | 31.0 | 10.0 | 0.90 | 2.28 | Ok |
| 5 | Tomadas | F+N+T | B1 | 220 V | | | | | | | 4 | 1 | | | 472 | 400 | S | | 400 | | 1.00 | 0.38 | 5.6 | 2.5 | 31.0 | 10.0 | 0.58 | 1.96 | Ok |
| 6 | Tomadas | F+N+T | B1 | 220 V | | | | | | 1 | | | | | 1250 | 1000 | S | | | 1000 | 1.00 | 0.38 | 14.4 | 2.5 | 31.0 | 10.0 | 0.73 | 2.11 | Ok |
| 7 | Tomadas | F+N | B1 | 220 V | | | | | | 1 | | | | | 1250 | 1000 | S | | | 1000 | 1.00 | 0.38 | 14.4 | 2.5 | 31.0 | 10.0 | 0.73 | 2.11 | Ok |
| 8 | Tomadas | F+N+T | B1 | 220 V | | | | | | 1 | | | | | 2500 | 2000 | S | | | 2000 | 1.00 | 0.38 | 28.9 | 4 | 40.0 | 13.0 | 1.07 | 2.45 | Ok |
| 9 | Tomadas | F+N+T | B1 | 220 V | | | | | | | | 1 | | | 1000 | 800 | S | | | 800 | 1.00 | 0.38 | 11.5 | 2.5 | 31.0 | 10.0 | 0.58 | 1.96 | Ok |
| 10 | Chuveiro | F+N+T | B1 | 220 V | 3 | | 1 | | | | | | | | 1524 | 1200 | T | | | 1200 | 1.00 | 0.38 | 17.3 | 4 | 54.0 | 20.0 | 2.14 | 3.53 | Ok |
| 11 | Tomadas | F+N+T | B1 | 220 V | | | 1 | | | | | | | | 250 | 200 | T | | | 200 | 1.00 | 0.38 | 2.9 | 2.5 | 31.0 | 10.0 | 0.05 | 1.36 | Ok |
| 12 | Tomadas | F+N | B1 | 220 V | | | | 1 | | | | | | | 375 | 300 | S | | 300 | | 1.00 | 0.38 | 4.3 | 2.5 | 31.0 | 10.0 | 0.22 | 1.61 | Ok |
| 13 | Chuveiro | F+N+T | B1 | 220 V | | | | | | | 1 | | | 1 | 4400 | 4400 | R | 4400 | | | 1.00 | 0.38 | 52.6 | 6 | 54.0 | 20.0 | 2.12 | 3.51 | Ok |
| 14 | Reserva | F+N | B1 | 220 V | | | | | | | | | | | 0 | 0 | S | | | | 1.00 | 1.00 | 0.0 | 2.5 | 31.0 | 10.0 | | 0.80 | Ok |
| 15 | Reserva | F+N | B1 | 220 V | | | | | | | | | | | 0 | 0 | S | | | | 1.00 | 1.00 | 0.0 | 2.5 | 31.0 | 10.0 | | 0.80 | Ok |
| 20 | Reserva | F+N | B1 | 220 V | | | | | | | | | | | 0 | 0 | S | | | | 1.00 | 1.00 | 0.0 | 2.5 | 31.0 | 10.0 | | 0.80 | Ok |
| TOTAL | | | | | 26 | 16 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 3 | 22440 | 19862 | 3N+S+T | 10800 | 4340 | 4722 | | | | | | | | |

## Quadro de Demanda (QD4)

| Tipo de carga | Potência instalada (W/A) | Fator de demanda (%) | Demanda (W/A) |
|---|---|---|---|
| Iluminação e TUG's (Escolas e semelhantes) | 12.00 | 100 | 12.00 |
| | 20.67 | 50 | 12.83 |
| | | TOTAL | 24.83 |

## QD4




## Quadro de Cargas (QD6)

| Circuito | Descrição | Esquema | Método de inst. | V (V) | Tomadas (W) | Pot. total (VA) | Pot. total (W) | Fases | Pot. - R (W) | Pot. - S (W) | Pot. - T (W) | FCT | FCA | Iz (A) | Seção (mm2) | N (m) | Dq (%) | dV parc (%) | dV total (%) | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 2200 | | | | | | | | | | | | | | | |
| 1 | Bomba Monofásica 01 | F+N+T | B1 | 220 V | 1 | 2277 | 2200 | S | | 2200 | | 1.00 | 0.80 | 19.2 | 2.5 | 31.0 | 10.0 | 0.40 | 4.10 | Ok |
| 2 | Bomba Monofásica 02 | F+N+T | B1 | 220 V | 1 | 2277 | 2200 | S | | 2200 | | 1.00 | 0.80 | 19.2 | 2.5 | 31.0 | 16.0 | 0.24 | 3.93 | Ok |
| 3 | Circuito Reserva 01 | F+N | B1 | 220 V | | 0 | 0 | T | | | | 1.00 | 1.00 | 0.0 | 2.5 | 31.0 | 10.0 | | 0.73 | Ok |
| 4 | Circuito Reserva 02 | F+N | B1 | 220 V | | 0 | 0 | T | | | | 1.00 | 1.00 | 0.0 | 2.5 | 31.0 | 10.0 | | 0.73 | Ok |
| TOTAL | | | | | 2 | 8793 | 4400 | 3N+S+T | 2200 | 2200 | 0 | | | | | | | | | |

## Quadro de Demanda (QD6)

| Tipo de carga | Potência instalada (W/A) | Fator de demanda (%) | Demanda (W/A) |
|---|---|---|---|
| Motores | 4.75 | 100 | 4.75 |
| | | TOTAL | 5.08 |

## QD6 (Quadro de Distribuição Sistema Bombas)




## Quadro de Cargas (QD5)

| Circuito | Descrição | Esquema | Método de inst. | V (V) | Tomadas (W) | | | | | | | | | | Pot. total (VA) | Pot. total (W) | Fases | Pot. - R (W) | Pot. - S (W) | Pot. - T (W) | FCT | FCA | Iz (A) | Seção (mm2) | N (m) | Dq (%) | dV parc (%) | dV total (%) | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 100 | 150 | 200 | 300 | 400 | 500 | 600 | 800 | 1000 | 4400 | | | | | | | | | | | | | | |
| 1 | Iluminação | F+N | B1 | 220 V | 20 | | | | | | | | | | 792 | 640 | S | | 640 | | 1.00 | 0.38 | 4.1 | 2.5 | 31.0 | 10.0 | 3.06 | 4.23 | Ok |
| ht | | | | | | | | | | | | | | | 0 | 0 | S | | | | 1.00 | 0.0 | 2.5 | 31.0 | | | | | Ok |
| hi | | | | | 8 | | | | | | | | | | 158 | 128 | S | | 128 | | 0.70 | 0.5 | 2.5 | 31.0 | | | | | Ok |
| ai | | | | | 4 | | | | | | | | | | 158 | 128 | S | 128 | | | 0.70 | 0.5 | 2.5 | 31.0 | | | | | Ok |
| ih | | | | | 2 | | | | | | | | | | 79 | 64 | S | | 64 | | 0.70 | 0.5 | 2.5 | 31.0 | | | | | Ok |
| ah | | | | | 2 | | | | | |