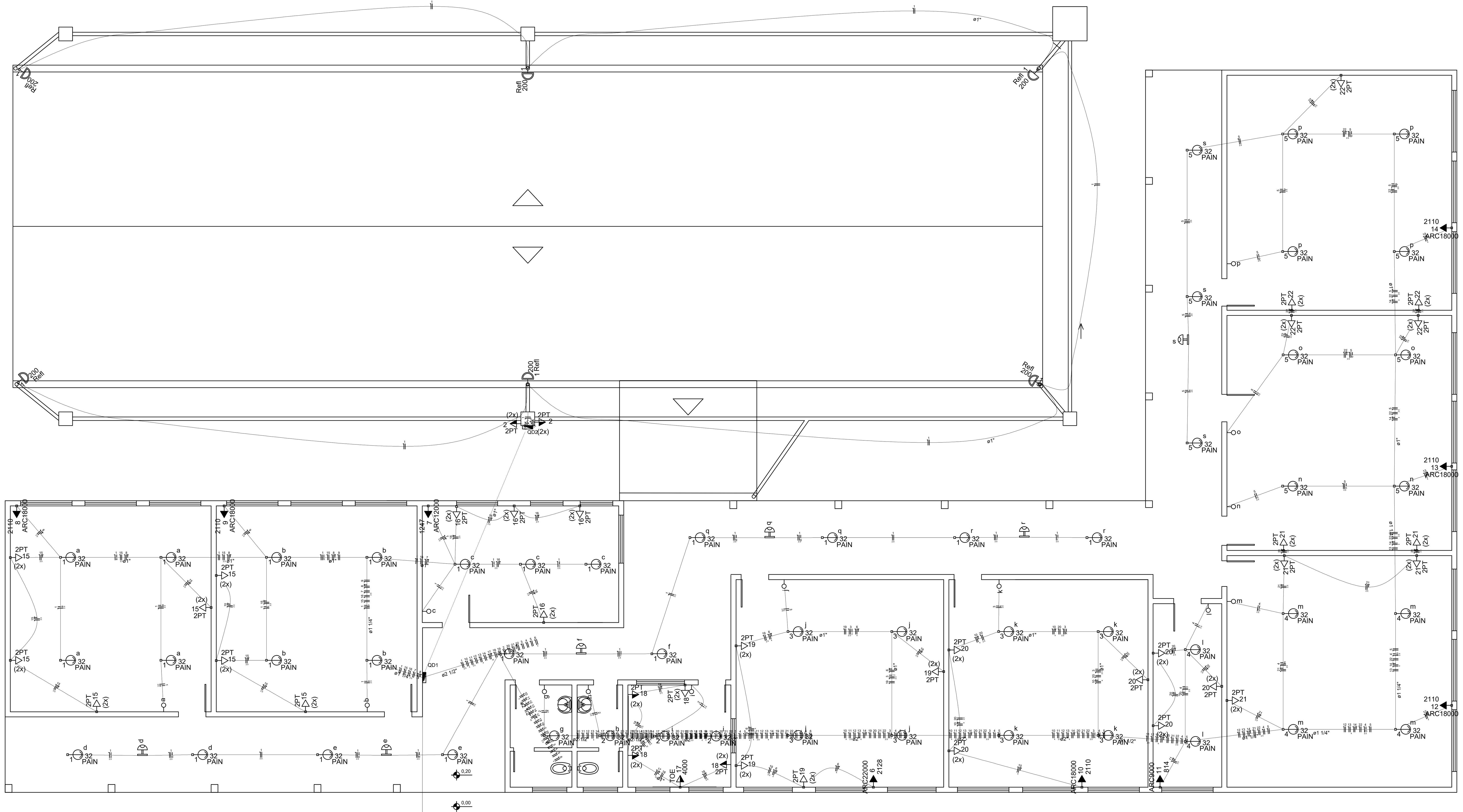
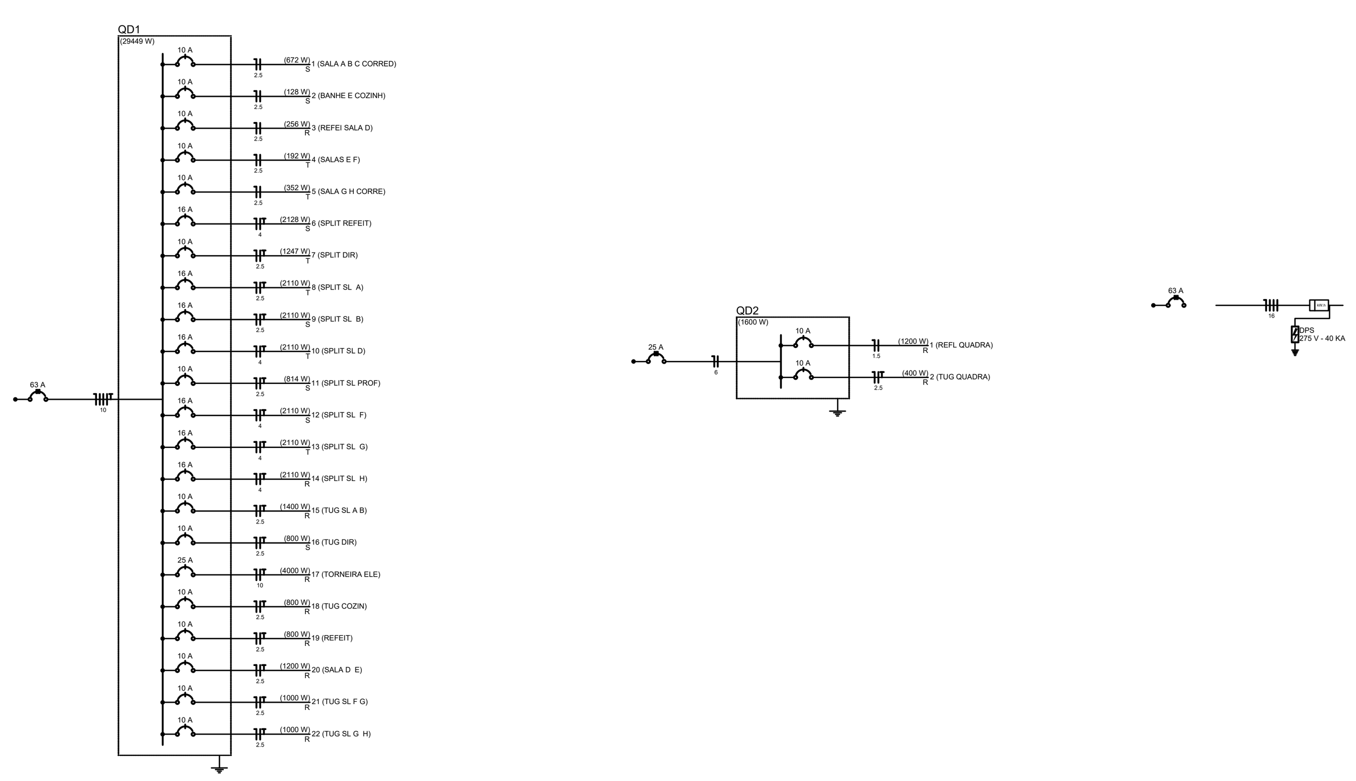


### Quadro de Cargas (QD2)

| Circuito | Descrição | Esquema | Método de inst. | V (V) | Iluminação (W) 200 | Tomadas (W) 100 | Pot. total. (VA) | Pot. total. (W) | Fases | Pot. - R (W) | Pot. - S (W) | Pot. - T (W) | FCT | FCA | In' (A) | Seção (mm2) | Ic (A) | Disj (A) | dV parc (%) | dV total (%) | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | REFL QUADRA | F+N | B1 | 220 V | 6 | | 1200 | 1200 | R | 1200 | | | 1.00 | 1.00 | 5.5 | 1.5 | 23.0 | 10.0 | | | Ok |
| 2 | TUG QUADRA | F+N+T | B1 | 220 V | | 4 | 500 | 400 | R | 400 | | | 1.00 | 1.00 | 1.1 | 2.5 | 31.0 | 10.0 | | | Ok |
| TOTAL | | | | | 6 | 4 | 1700 | 1600 | R | 1600 | 0 | 0 | | | | | | | | | |

### Quadro de Cargas (QD1)

| Circuito | Descrição | Esquema | Método de inst. | V (V) | Iluminação (W) 32 | Tomadas (W) 100 | 814 | 1247 | 2110 | 2128 | 4000 | Pot. total. (VA) | Pot. total. (W) | Fases | Pot. - R (W) | Pot. - S (W) | Pot. - T (W) | FCT | FCA | In' (A) | Seção (mm2) | Ic (A) | Disj (A) | dV parc (%) | dV total (%) | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SALA A B C CORRED | F+N | B1 | 220 V | 21 | | | | | | | 672 | 672 | S | | 672 | | 1.00 | 0.41 | 3.5 | 2.5 | 31.0 | 10.0 | 0.16 | 0.16 | Ok |
| | a | | | | 4 | | | | | | | 128 | 128 | S | | 128 | | | 0.70 | 0.8 | 2.5 | 31.0 | | | | Ok |
| | b | | | | 4 | | | | | | | 128 | 128 | S | | 128 | | | 0.57 | 1.0 | 2.5 | 31.0 | | | | Ok |
| | c | | | | 3 | | | | | | | 96 | 96 | S | | 96 | | | 0.80 | 0.5 | 2.5 | 31.0 | | | | Ok |
| | d | | | | 2 | | | | | | | 64 | 64 | S | | 64 | | | 1.00 | 0.3 | 2.5 | 31.0 | | | | Ok |
| | e | | | | 2 | | | | | | | 64 | 64 | S | | 64 | | | 1.00 | 0.3 | 2.5 | 31.0 | | | | Ok |
| | f | | | | 2 | | | | | | | 64 | 64 | S | | 64 | | | 1.00 | 0.3 | 2.5 | 31.0 | | | | Ok |
| | q | | | | 2 | | | | | | | 64 | 64 | S | | 64 | | | 1.00 | 0.3 | 2.5 | 31.0 | | | | Ok |
| | r | | | | 2 | | | | | | | 64 | 64 | S | | 64 | | | 1.00 | 0.3 | 2.5 | 31.0 | | | | Ok |
| 2 | BANHE E COZINH | F+N | B1 | 220 V | 4 | | | | | | | 128 | 128 | S | | 128 | | 1.00 | 0.41 | 1.4 | 2.5 | 31.0 | 10.0 | 0.04 | 0.04 | Ok |
| | g | | | | 1 | | | | | | | 32 | 32 | S | | 32 | | | 1.00 | 0.1 | 2.5 | 31.0 | | | | Ok |
| | h | | | | 1 | | | | | | | 32 | 32 | S | | 32 | | | 1.00 | 0.1 | 2.5 | 31.0 | | | | Ok |
| | i | | | | 2 | | | | | | | 64 | 64 | S | | 64 | | | 0.45 | 0.6 | 2.5 | 31.0 | | | | Ok |
| 3 | REFEI SALA D | F+N | B1 | 220 V | 8 | | | | | | | 256 | 256 | R | 256 | | | 1.00 | 0.41 | 2.8 | 2.5 | 31.0 | 10.0 | 0.20 | 0.20 | Ok |
| | j | | | | 4 | | | | | | | 128 | 128 | R | 128 | | | | 0.45 | 1.3 | 2.5 | 31.0 | | | | Ok |
| | k | | | | 4 | | | | | | | 128 | 128 | R | 128 | | | | 0.50 | 1.2 | 2.5 | 31.0 | | | | Ok |
| 4 | SALAS E F | F+N | B1 | 220 V | 6 | | | | | | | 192 | 192 | T | | | 192 | 1.00 | 0.41 | 2.1 | 2.5 | 31.0 | 10.0 | 0.22 | 0.22 | Ok |
| | l | | | | 2 | | | | | | | 64 | 64 | T | | | 64 | | 0.80 | 0.4 | 2.5 | 31.0 | | | | Ok |
| | m | | | | 4 | | | | | | | 128 | 128 | T | | | 128 | | 0.57 | 1.0 | 2.5 | 31.0 | | | | Ok |
| 5 | SALA G H CORRE | F+N | B1 | 220 V | 11 | | | | | | | 352 | 352 | T | | | 352 | 1.00 | 0.41 | 3.9 | 2.5 | 31.0 | 10.0 | 0.58 | 0.58 | Ok |
| | n | | | | 2 | | | | | | | 64 | 64 | T | | | 64 | | 1.00 | 0.3 | 2.5 | 31.0 | | | | Ok |
| | o | | | | 2 | | | | | | | 64 | 64 | T | | | 64 | | 0.80 | 0.4 | 2.5 | 31.0 | | | | Ok |
| | p | | | | 4 | | | | | | | 128 | 128 | T | | | 128 | | 0.80 | 0.7 | 2.5 | 31.0 | | | | Ok |
| | s | | | | 3 | | | | | | | 96 | 96 | T | | | 96 | | 1.00 | 0.4 | 2.5 | 31.0 | | | | Ok |
| 6 | SPLIT REFEIT | F+N+T | B1 | 220 V | | | | | | 1 | | 2364 | 2128 | S | | 2128 | | 1.00 | 0.41 | 26.2 | 4 | 42.0 | 16.0 | 1.69 | 1.69 | Ok |
| 7 | SPLIT DIR | F+N+T | B1 | 220 V | | | | 1 | | | | 1386 | 1247 | T | | | 1247 | 1.00 | 0.57 | 11.0 | 2.5 | 31.0 | 10.0 | 0.51 | 0.51 | Ok |
| 8 | SPLIT SL A | F+N+T | B1 | 220 V | | | | | 1 | | | 2344 | 2110 | T | | | 2110 | 1.00 | 0.57 | 18.7 | 2.5 | 31.0 | 16.0 | 1.35 | 1.35 | Ok |
| 9 | SPLIT SL B | F+N+T | B1 | 220 V | | | | | 1 | | | 2344 | 2110 | S | | 2110 | | 1.00 | 0.57 | 18.7 | 2.5 | 31.0 | 16.0 | 0.90 | 0.90 | Ok |
| 10 | SPLIT SL D | F+N+T | B1 | 220 V | | | | | 1 | | | 2344 | 2110 | T | | | 2110 | 1.00 | 0.41 | 26.0 | 4 | 42.0 | 16.0 | 1.92 | 1.92 | Ok |
| 11 | SPLIT SL PROF | F+N+T | B1 | 220 V | | | 1 | | | | | 904 | 814 | S | | 814 | | 1.00 | 0.41 | 10.0 | 2.5 | 31.0 | 10.0 | 0.81 | 0.81 | Ok |
| 12 | SPLIT SL F | F+N+T | B1 | 220 V | | | | | 1 | | | 2344 | 2110 | S | | 2110 | | 1.00 | 0.41 | 26.0 | 4 | 42.0 | 16.0 | 1.61 | 1.61 | Ok |
| 13 | SPLIT SL G | F+N+T | B1 | 220 V | | | | | 1 | | | 2344 | 2110 | T | | | 2110 | 1.00 | 0.41 | 26.0 | 4 | 42.0 | 16.0 | 1.94 | 1.94 | Ok |
| 14 | SPLIT SL H | F+N+T | B1 | 220 V | | | | | 1 | | | 2344 | 2110 | R | 2110 | | | 1.00 | 0.41 | 26.0 | 4 | 42.0 | 16.0 | 2.27 | 2.27 | Ok |
| 15 | TUG SL A B | F+N+T | B1 | 220 V | | 14 | | | | | | 1750 | 1400 | R | 1400 | | | 1.00 | 0.57 | 14.0 | 2.5 | 31.0 | 10.0 | 0.84 | 0.84 | Ok |
| 16 | TUG DIR | F+N+T | B1 | 220 V | | 8 | | | | | | 1000 | 800 | S | | 800 | | 1.00 | 0.57 | 8.0 | 2.5 | 31.0 | 10.0 | 0.42 | 0.42 | Ok |
| 17 | TORNEIRA ELE | F+N+T | B1 | 220 V | | | | | | | 1 | 5000 | 4000 | R | 4000 | | | 1.00 | 0.41 | 55.4 | 10 | 75.0 | 25.0 | 0.56 | 0.56 | Ok |
| 18 | TUG COZIN | F+N+T | B1 | 220 V | | 8 | | | | | | 1000 | 800 | R | 800 | | | 1.00 | 0.41 | 11.1 | 2.5 | 31.0 | 10.0 | 0.44 | 0.44 | Ok |
| 19 | REFEIT | F+N+T | B1 | 220 V | | 8 | | | | | | 1000 | 800 | R | 800 | | | 1.00 | 0.41 | 11.1 | 2.5 | 31.0 | 10.0 | 0.87 | 0.87 | Ok |
| 20 | SALA D E | F+N+T | B1 | 220 V | | 12 | | | | | | 1500 | 1200 | R | 1200 | | | 1.00 | 0.41 | 16.6 | 2.5 | 31.0 | 10.0 | 1.30 | 1.30 | Ok |
| 21 | TUG SL F G | F+N+T | B1 | 220 V | | 10 | | | | | | 1250 | 1000 | R | 1000 | | | 1.00 | 0.41 | 13.9 | 2.5 | 31.0 | 10.0 | 1.43 | 1.43 | Ok |
| 22 | TUG SL G H | F+N+T | B1 | 220 V | | 10 | | | | | | 1250 | 1000 | R | 1000 | | | 1.00 | 0.41 | 13.9 | 2.5 | 31.0 | 10.0 | 1.82 | 1.82 | Ok |
| TOTAL | | | | | 50 | 70 | 1 | 1 | 6 | 1 | 1 | 34071 | 29449 | R+S+T | 12566 | 8762 | 8121 | | | | | | | | | |



**PREFEITURA MUNICIPAL DE SANT'ANA DO LIVRAMENTO**
SEPLAMA - SECRETARIA DE PLANEJAMENTO E MEIO AMBIENTE
RUA ALLAN KARDEC, 55

OBRA: ESCOLA MUNICIPAL AURÉLIO GUERRA

PROJETO: PROJETO ELÉTRICO EM BAIXA TENSÃO (BT)

ENDEREÇO: SANTA RITA

GONZALO BONFIGLIO
Engº. Eletricista - CREA RS120574

PREFEITURA DE SANT'ANA DO LIVRAMENTO:
CNPJ: 88.124.961/0001-59

PRANCHA: E1/1

CARGA TOTAL: 29,45W 34,07VA

ESCALAS: 1:100

DATA: 07/06/2024

ART Nº13207451