**TABLERO DISTRIBUCIÓN ELÉCTRICA**

**UBICACIÓN: TALLER 02**

DESCRIPCIÓN: BARRAS DE 400 A, TRIFASICO, 5 HILOS. INTERRUPTOR PRINCIPAL INCORPORADO. IGUAL O SUPERIOR AL MODELO NQ454L4C DE SQUARE D

## Tablero "TPT.02"

| Carga | Tensión (V) | Potencia (W) | Corriente (A) | Canalización (mm) | Cable- THWN | Distancia (m) | Caída Tensión (%) | Polos/Corriente (A) | Circuito No. | Secuencia | Circuito No. | Polos/Corriente (A) | Caída Tensión (%) | Distancia (m) | Cable- THWN | Canalización (mm) | Corriente (A) | Potencia (W) | Voltaje (V) | Carga |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOMACORRIENTES PILETA | 120 | 1500 | 12,5 | 19 | 1#12 AWG THHN (F)<br>1#12 AWG THHN (N)<br>1#12 AWG THHN (T) | 15 | 1,32 | 1/20 | 1 | R | 2 | 1/20 | 1,42 | 18 | 1#10 AWG THHN (F)<br>1#10 AWG THHN (N)<br>1#12 AWG THHN (T) | 19 | 11,2 | 1344 | 120 | ILUMINACIÓN C3 |
| ILUMINACIÓN C2 | 120 | 1264 | 13,167 | 13 | 1#12 AWG THHN (F)<br>1#12 AWG THHN (N)<br>1#12 AWG THHN (T) | 22 | 1,63 | 1/20 | 3 | S | 4 | 1/15 | 2,03 | 45 | 1#10 AWG THHN (F)<br>1#10 AWG THHN (N)<br>1#12 AWG THHN (T) | 19 | 6,4 | 768 | 120 | ILUMINACIÓN C4 |
| TABLERO TD | 240 | 4944 | 41,20 | 38 | 2#4 AWG RHH/RHW-2 (F)<br>1#4 AWG RHH/RHW-2 (N)<br>1#8AWG THHN (T) | 14,3 | 0,52 | 2/70 | 5 | T | 6 | 1/20 | 2,80 | 20 | 1#12 AWG THHN (F)<br>1#12 AWG THHN (N)<br>1#12 AWG THHN (T) | 13 | 12,5 | 1500 | 120 | TOMACORRIENTES AULA C1 |
| | | 5000 | 41,67 | | | | | | 7 | R | 8 | 1/20 | 0,88 | 15 | 1#8 AWG THHN (F)<br>1#8 AWG THHN (N)<br>1#12 AWG THHN (T) | 25 | 13,33 | 1600 | 120 | TOMA 120 V. PUESTOS 2, 3, 4 Y 5. |
| TOMA 240 VAC-TALLER PUESTO 4 | 240 | 1000 | 8,33 | 19 | 2#10 AWG THHN (F)<br>1#12 AWG THHN (T) | 13 | 0,38 | 2/30 | 9 | S | 10 | 1/20 | 1,30 | 22 | 1#8 AWG THHN (F)<br>1#8 AWG THHN (N)<br>1#12 AWG THHN (T) | 25 | 13,33 | 1600 | 120 | TOMA 120 V. PUESTOS 12, 13, 14, 15. |
| | | 1000 | 8,33 | | | | | | 11 | T | 12 | 1/20 | 0,88 | 15 | 1#8 AWG THHN (F)<br>1#8 AWG THHN (N)<br>1#12 AWG THHN (T) | 25 | 13,33 | 1600 | 120 | TOMA 120 V. PUESTOS 11 y 16 |
| TOMA 120 V. PUESTO 01 y 06 | 120 | 1600 | 13,33 | 25 | 1#8 AWG THHN (F)<br>1#8 AWG THHN (N)<br>1#12 AWG THHN (T) | 18 | 1,06 | 1/20 | 13 | R | 14 | | | | | | | | | |
| TOMA 120 V. PARED | 120 | 1600 | 13,33 | 25 | 1#8 AWG THHN (F)<br>1#8 AWG THHN (N)<br>1#12 AWG THHN (T) | 20 | 1,18 | 1/20 | 15 | S | 16 | 1/20 | 1,42 | 24 | 1#8 AWG THHN (F)<br>1#8 AWG THHN (N)<br>1#12 AWG THHN (T) | 25 | 13,33 | 1600 | 120 | TOMA 120 V. PARED |
| TOMACORRIENTES BODEGA | 120 | 1200 | 10 | 13 | 1#12 AWG THHN (F)<br>1#12 AWG THHN (N)<br>1#12 AWG THHN (T) | 16 | 1,13 | 1/20 | 17 | T | 18 | 2/30 | 0,24 | 8 | 2#10 AWG THHN (F)<br>1#12 AWG THHN (T) | 19 | 8,33 | 1000 | 240 | TOMA 240 VAC-TALLER PUESTO 1 |
| TOMA 240 VAC-MESA DE TRABAJO | 240 | 1000 | 8,3 | 19 | 2#10 AWG THHN (F)<br>1#12 AWG THHN (T) | 17 | 0,50 | 2/30 | 19 | R | 20 | | | | | | 8,33 | 1000 | | |
| | | 1000 | 8,3 | | | | | | 21 | S | 22 | 2/30 | 0,44 | 15 | 2#10 AWG THHN (F)<br>1#12 AWG THHN (T) | 19 | 8,33 | 1000 | 240 | TOMA 240 VAC-PUESTO 6 |
| TOMA 240 VAC-TALLER PUESTO 11 | 240 | 1000 | 8,33 | 19 | 2#10 AWG THHN (F)<br>1#12 AWG THHN (T) | 18 | 0,53 | 2/30 | 23 | T | 24 | | | | | | 8,33 | 1000 | | |
| | | 1000 | 8,33 | | | | | | 25 | R | 26 | 2/30 | 0,59 | 20 | 2#10 AWG THHN (F)<br>1#12 AWG THHN (T) | 19 | 8,33 | 1000 | 240 | TOMA 240 VAC-PUESTO 16 |
| TOMA 240 VAC-TALLER MESA DE TRABAJO | 240 | 1000 | 8,33 | 19 | 2#10 AWG THHN (F)<br>1#12 AWG THHN (T) | 22 | 0,65 | 2/30 | 27 | S | 28 | | | | | | 8,33 | 1000 | | |
| | | 1000 | 8,33 | | | | | | 29 | T | 30 | 2/30 | 0,81 | 22 | 2#8 AWG THHN (F)<br>1#10 AWG THHN (T) | 25 | 16,67 | 2000 | 240 | TOMA 240 VAC-PARED |
| TOMA 240 VAC-TALLER PARED | 240 | 2000 | 16,67 | 25 | 2#8 AWG THHN (F)<br>1#10 AWG THHN (T) | 25 | 0,92 | 2/30 | 31 | R | 32 | | | | | | 16,67 | 2000 | | |
| | | 2000 | 16,67 | | | | | | 33 | S | 34 | 2/30 | 1,03 | 28 | 2#8 AWG THHN (F)<br>1#10 AWG THHN (T) | 25 | 16,67 | 2000 | 240 | TOMA 240 VAC-PARED |
| TOMA 240 VAC-TALLER PARED | 240 | 1000 | 8,33 | 19 | 2#10 AWG THHN (F)<br>1#12 AWG THHN (T) | 24 | 0,71 | 2/30 | 35 | T | 36 | | | | | | 16,67 | 2000 | | |
| | | 1000 | 8,33 | | | | | | 37 | R | 38 | 1/20 | 2,54 | 27 | 1#10 AWG THHN (F)<br>1#10 AWG THHN (N)<br>1#12 AWG THHN (T) | 19 | 13,33 | 1600 | 120 | TOMA 120 V. PARED |
| TOMA 240 VAC-TALLER PUESTO 9 | 240 | 1000 | 8,33 | 19 | 2#10 AWG THHN (F)<br>1#12 AWG THHN (T) | 18 | 0,53 | 2/30 | 39 | S | 40 | | | | | | | | | |
| | | 1000 | 8,33 | | | | | | 41 | T | 42 | 1/20 | 2,07 | 22 | 1#10 AWG THHN (F)<br>1#10 AWG THHN (N)<br>1#12 AWG THHN (T) | 19 | 13,33 | 1600 | 120 | TOMA 120 V. PARED |
| TOMAS 120 VAC-TALLER PUESTOS 7,8,9,10. | 120 | 2000 | 16,67 | 25 | 1#8 AWG THHN (F)<br>1#8 AWG THHN (N)<br>1#10 AWG THHN (T) | 20 | 1,47 | 1/30 | 43 | R | 44 | 1/20 | 2,35 | 25 | 1#10 AWG THHN (F)<br>1#10 AWG THHN (N)<br>1#12 AWG THHN (T) | 19 | 13,33 | 1600 | 120 | TOMA 120 V. PUESTOS 17, 18, 19, 20 |
| TOMA 240 VAC-TALLER PUESTO 14 | 240 | 1000 | 8,33 | 19 | 2#10 AWG THHN (F)<br>1#12 AWG THHN (T) | 21 | 0,62 | 2/30 | 45 | S | 46 | 3/20 | 0,1 | 0,1 | 3#10 AWG THHN (F)<br>1#10 AWG THHN (N)<br>1#10 AWG THHN (T) | 25 | 0,83 | 100 | 240 | SUPRESOR TVSS |
| | | 1000 | 8,33 | | | | | | 47 | T | 48 | | | | | | | 100 | | |
| ABANICOS AULA | 120 | 600 | 5 | 19 | 1#10 AWG THHN (F)<br>1#12 AWG THHN (N)<br>1#12 AWG THHN (T) | 18 | 1,01 | 1/15 | 49 | R | 50 | | | | | | | 100 | | |
| ILUMINACIÓN C1 | 120 | 1344 | 14 | 19 | 1#10 AWG THHN (F)<br>1#10 AWG THHN (N)<br>1#12 AWG THHN (T) | 24 | 1,90 | 1/20 | 51 | S | 52 | 2/50 | 0,2 | 6 | 2#6 AWG THHN (F)<br>1#8 AWG THHN (N)<br>1#8 AWG THHN (T) | 32 | 22,67 | 2720 | 240 | TABLERO TET.02 |
| | | | | | | | | | 53 | T | 54 | | | | | | 21,83 | 2620 | | |

| | |
|---|---|
| Potencia Fase R | 25944 |
| Potencia Fase S | 21996 |
| Potencia Fase T | 25564 |
| **Total Potencia Instalada (W)** | **73504** |
| Factor de potencia | 0,95 |
| Factor demanda | 0,50 |
| **Total Potencia Demanda (VA)** | **38686** |

| | | | |
|---|---|---|---|
| **CORRIENTE LÍNEA** | **93,1** | **MÍNIMA CORRIENTE CORTO CIRCUITO** | ***18 KA*** |

### Datos Acometida

| CIRCUITO ALIMENTADOR | HILOS | LÍNEAS (AWG) | NEUTRO (AWG) | TIERRA (AWG) | CONDUCTO (mm) | CAIDA TENSIÓN (%) |
|---|---|---|---|---|---|---|
| TP2 | 5 | 3#2/0 AWG RHH/RHW-2 (F) | 1#2/0 AWG RHH/RHW-2 (N) | 1#2 AWG THHN (T) | 75 | 0,6 |
| | | ***DISTANCIA (m)*** | | | **25** | |

### Datos Tablero

| FASES/HILOS | ESPACIOS | B/N AISLADA 200% (S/N) | B/T (S/N) | Barras (A) | Parche/Empot./ Autosop. (P/E/A) | Interruptor principal (polos/A) | Acometida Sup./Inf. (S/I) |
|---|---|---|---|---|---|---|---|
| 3/5 | 54 | S | S | 400 | P | 3/150 | S |

Jorge Lizano & Asociados

INFORMACIÓN REGISTRO PÚBLICO:

PROPIETARIO: INTENDENCIA MUNICIPAL DEL DISTRITO DE COLORADO

Nº CATASTRO: G-638550-86

CITAS: 57051

CONTENIDO:

TABLEROS ELÉCTRICOS

NOMBRE DE ARCHIVO: C-457-TAB-53

| FECHA | LÁMINA |
|---|---|
| AGOSTO 2022 | E53 |