## PANEL SCHEDULE

PANEL: A (EXISTING)
LOCATION: BLDG. WALL EXTERIOR NEAR A/C UNITS
FEEDER SOURCE: MDP
VOLTAGE: 120/240V 1Φ 200AMP; MLO
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

| CKT NO | THHN WIRE SIZE | LOAD DESCRIPTION LOCATION | BREAKER AMP | BREAKER POLE | LOAD (VA) | LOAD (VA) | BREAKER POLE | BREAKER AMP | LOAD DESCRIPTION LOCATION | THHN WIRE SIZE | CKT NO |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | HVAC | 60 | 2 | 5250 | 900 | 1 | 20 | OUTLETS | 12 | 2 |
| 3 | | | | | 5250 | 720 | 1 | 20 | OUTLETS | 12 | 4 |
| 5 | 12 | LIGHTING | 20 | 1 | 1800 | 900 | 1 | 20 | OUTLETS | 12 | 6 |
| 7 | 12 | LIGHTING | 20 | 1 | 1800 | 720 | 1 | 20 | OUTLETS | 12 | 8 |
| 9 | 12 | LIGHTING | 20 | 1 | 1800 | - | 1 | 20 | SPARE | - | 10 |
| 11 | 6 | HVAC | 60 | 2 | 5250 | - | 1 | 20 | SPARE | - | 12 |
| 13 | | | | | 5250 | - | 1 | 20 | SPARE | - | 14 |
| 15 | - | SPARE | 20 | 1 | - | - | 1 | 20 | SPARE | - | 16 |
| 17 | - | SPARE | 20 | 1 | - | - | 1 | 20 | SPARE | - | 18 |

SOLID NEUTRAL NEUTRAL WIRE (W) — AΦ = 15,900 — BΦ = 13,740 — GROUND BUS GROUND WIRE (G)

## PANEL SCHEDULE

PANEL: C (EXISTING)
LOCATION: BLDG. WALL EXTERIOR NEAR A/C UNITS
FEEDER SOURCE: MDP
VOLTAGE: 120/240V 1Φ 200AMP; MLO
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

| CKT NO | THHN WIRE SIZE | LOAD DESCRIPTION LOCATION | BREAKER AMP | BREAKER POLE | LOAD (VA) | LOAD (VA) | BREAKER POLE | BREAKER AMP | LOAD DESCRIPTION LOCATION | THHN WIRE SIZE | CKT NO |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | HVAC | 60 | 2 | 5250 | 900 | 1 | 20 | OUTLETS | 12 | 2 |
| 3 | | | | | 5250 | 720 | 1 | 20 | OUTLETS | 12 | 4 |
| 5 | 12 | LIGHTING | 20 | 1 | 1800 | 900 | 1 | 20 | OUTLETS | 12 | 6 |
| 7 | 12 | LIGHTING | 20 | 1 | 1800 | 720 | 1 | 20 | OUTLETS | 12 | 8 |
| 9 | - | SPARE | 20 | 1 | - | - | 1 | 20 | SPARE | - | 10 |
| 11 | 6 | HVAC | 60 | 2 | 5250 | - | 1 | 20 | SPARE | - | 12 |
| 13 | | | | | 5250 | - | 1 | 20 | SPARE | - | 14 |
| 15 | - | SPARE | 20 | 1 | - | - | 1 | 20 | SPARE | - | 16 |
| 17 | - | SPARE | 20 | 1 | - | - | 1 | 20 | SPARE | - | 18 |

SOLID NEUTRAL NEUTRAL WIRE (W) — AΦ = 14,100 — BΦ = 13,740 — GROUND BUS GROUND WIRE (G)

## PANEL SCHEDULE

PANEL: E (EXISTING)
LOCATION: BLDG. WALL EXTERIOR NEAR A/C UNITS
FEEDER SOURCE: MDP
VOLTAGE: 120/240V 1Φ 200AMP; MLO
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

| CKT NO | THHN WIRE SIZE | LOAD DESCRIPTION LOCATION | BREAKER AMP | BREAKER POLE | LOAD (VA) | LOAD (VA) | BREAKER POLE | BREAKER AMP | LOAD DESCRIPTION LOCATION | THHN WIRE SIZE | CKT NO |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | HVAC | 60 | 2 | 5250 | 900 | 1 | 20 | OUTLETS | 12 | 2 |
| 3 | | | | | 5250 | 720 | 1 | 20 | OUTLETS | 12 | 4 |
| 5 | 12 | LIGHTING | 20 | 1 | 1800 | 900 | 1 | 20 | OUTLETS | 12 | 6 |
| 7 | 12 | LIGHTING | 20 | 1 | 1800 | 720 | 1 | 20 | OUTLETS | 12 | 8 |
| 9 | - | SPARE | 20 | 1 | - | - | 1 | 20 | SPARE | - | 10 |
| 11 | 6 | HVAC | 60 | 2 | 5250 | - | 1 | 20 | SPARE | - | 12 |
| 13 | | | | | 5250 | - | 1 | 20 | SPARE | - | 14 |
| 15 | - | SPARE | 20 | 1 | - | - | 1 | 20 | SPARE | - | 16 |
| 17 | - | SPARE | 20 | 1 | - | - | 1 | 20 | SPARE | - | 18 |

SOLID NEUTRAL NEUTRAL WIRE (W) — AΦ = 14,100 — BΦ = 13,740 — GROUND BUS GROUND WIRE (G)

## PANEL SCHEDULE

PANEL: H (EXISTING)
LOCATION: BLDG. WALL EXTERIOR NEAR A/C UNITS
FEEDER SOURCE: MDP
VOLTAGE: 120/240V 1Φ 200AMP; MLO
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

| CKT NO | THHN WIRE SIZE | LOAD DESCRIPTION LOCATION | BREAKER AMP | BREAKER POLE | LOAD (VA) | LOAD (VA) | BREAKER POLE | BREAKER AMP | LOAD DESCRIPTION LOCATION | THHN WIRE SIZE | CKT NO |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | HVAC | 60 | 2 | 5250 | 1620 | 1 | 20 | OUTLETS | 12 | 2 |
| 3 | | | | | 5250 | 1080 | 1 | 20 | OUTLETS | 12 | 4 |
| 5 | 12 | LIGHTING | 20 | 1 | 1800 | 1080 | 1 | 20 | OUTLETS | 12 | 6 |
| 7 | 12 | LIGHTING | 20 | 1 | 1800 | - | 1 | 20 | HOT WATER HEATER | 12 | 8 |
| 9 | | | | | | - | 1 | 20 | SPARE | - | 10 |
| 11 | 6 | HVAC | 60 | 2 | 5250 | - | 1 | 20 | SPARE | - | 12 |
| 13 | | | | | 5250 | - | 1 | 20 | SPARE | - | 14 |
| 15 | - | SPARE | 20 | 1 | - | - | 1 | 20 | SPARE | - | 16 |
| 17 | - | SPARE | 20 | 1 | - | - | 1 | 20 | SPARE | - | 18 |

SOLID NEUTRAL NEUTRAL WIRE (W) — AΦ = 15,000 — BΦ = 13,380 — GROUND BUS GROUND WIRE (G)

## PANEL SCHEDULE

PANEL: I (EXISTING)
LOCATION: BLDG. WALL EXTERIOR NEAR A/C UNITS
FEEDER SOURCE: MDP
VOLTAGE: 120/240V 1Φ 200AMP; MLO
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

| CKT NO | THHN WIRE SIZE | LOAD DESCRIPTION LOCATION | BREAKER AMP | BREAKER POLE | LOAD (VA) | LOAD (VA) | BREAKER POLE | BREAKER AMP | LOAD DESCRIPTION LOCATION | THHN WIRE SIZE | CKT NO |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | HVAC | 60 | 2 | 5250 | 900 | 1 | 20 | OUTLETS | 12 | 2 |
| 3 | | | | | 5250 | 720 | 1 | 20 | OUTLETS | 12 | 4 |
| 5 | 12 | LIGHTING | 20 | 1 | 1800 | 900 | 1 | 20 | OUTLETS | 12 | 6 |
| 7 | 12 | LIGHTING | 20 | 1 | 1800 | 720 | 1 | 20 | OUTLETS | 12 | 8 |
| 9 | - | SPARE | 20 | 1 | - | - | 1 | 20 | SPARE | - | 10 |
| 11 | 6 | HVAC | 60 | 2 | 5250 | - | 1 | 20 | SPARE | - | 12 |
| 13 | | | | | 5250 | - | 1 | 20 | SPARE | - | 14 |
| 15 | - | SPARE | 20 | 1 | - | - | 1 | 20 | SPARE | - | 16 |
| 17 | - | SPARE | 20 | 1 | - | - | 1 | 20 | SPARE | - | 18 |

SOLID NEUTRAL NEUTRAL WIRE (W) — AΦ = 14,100 — BΦ = 13,740 — GROUND BUS GROUND WIRE (G)

## PANEL SCHEDULE

PANEL: K (EXISTING)
LOCATION: BLDG. WALL EXTERIOR NEAR A/C UNITS
FEEDER SOURCE: MDP
VOLTAGE: 120/240V 1Φ 200AMP; MLO
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

| CKT NO | THHN WIRE SIZE | LOAD DESCRIPTION LOCATION | BREAKER AMP | BREAKER POLE | LOAD (VA) | LOAD (VA) | BREAKER POLE | BREAKER AMP | LOAD DESCRIPTION LOCATION | THHN WIRE SIZE | CKT NO |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | HVAC | 60 | 2 | 5250 | 900 | 1 | 20 | OUTLETS | 12 | 2 |
| 3 | | | | | 5250 | 720 | 1 | 20 | OUTLETS | 12 | 4 |
| 5 | 12 | LIGHTING | 20 | 1 | 1800 | 900 | 1 | 20 | OUTLETS | 12 | 6 |
| 7 | 12 | LIGHTING | 20 | 1 | 1800 | 720 | 1 | 20 | OUTLETS | 12 | 8 |
| 9 | - | SPARE | 20 | 1 | - | - | 1 | 20 | SPARE | - | 10 |
| 11 | 6 | HVAC | 60 | 2 | 5250 | - | 1 | 20 | SPARE | - | 12 |
| 13 | | | | | 5250 | - | 1 | 20 | SPARE | - | 14 |
| 15 | - | SPARE | 20 | 1 | - | - | 1 | 20 | SPARE | - | 16 |
| 17 | - | SPARE | 20 | 1 | - | - | 1 | 20 | SPARE | - | 18 |

SOLID NEUTRAL NEUTRAL WIRE (W) — AΦ = 14,100 — BΦ = 13,740 — GROUND BUS GROUND WIRE (G)

## PANEL SCHEDULE

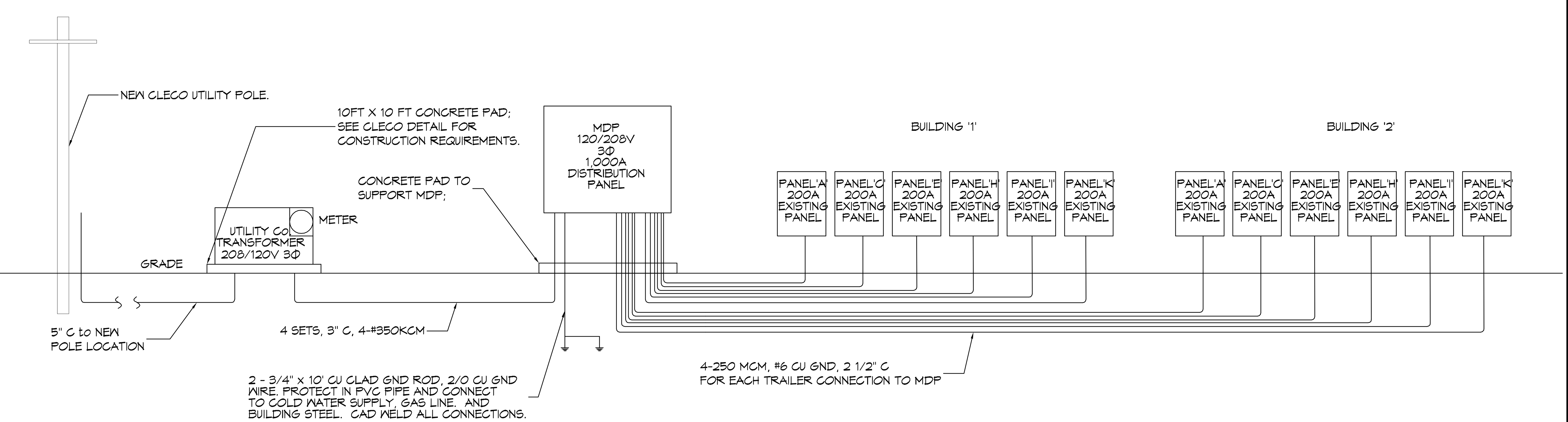
PANEL: MDP
LOCATION: NEAR FRONT ENTRANCE
FEEDER SOURCE: CLECO
VOLTAGE: 208/120V, 1,000A, 3Φ, 4W W/MB
ENCLOSURE: NEMA 3R SURFACE MNT W/ EQUIP. GND BAR SQ D TYPE QO LOAD CENTER

| CKT NO | THHN WIRE SIZE | LOAD DESCRIPTION LOCATION | BREAKER AMP | BREAKER POLE | LOAD (VA) | LOAD (VA) | BREAKER POLE | BREAKER AMP | LOAD DESCRIPTION LOCATION | THHN WIRE SIZE | CKT NO |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | - | BLDG 1 - PANEL A | 200 | 2 | 15,900 | 15,900 | 2 | 200 | BLDG 2 - PANEL A | - | 2 |
| 3 | | | | | 13,740 | 13,740 | | | | | 4 |
| 5 | - | BLDG 1 - PANEL C | 200 | 2 | 14,100 | 14,100 | 2 | 200 | BLDG 2 - PANEL C | - | 6 |
| 7 | | | | | 13,740 | 13,740 | | | | | 8 |
| 9 | - | BLDG 1 - PANEL E | 200 | 2 | 14,100 | 14,100 | 2 | 200 | BLDG 2 - PANEL E | - | 10 |
| 11 | | | | | 13,740 | 13,740 | | | | | 12 |
| 13 | - | BLDG 1 - PANEL H | 200 | 2 | 15,000 | 15,000 | 2 | 200 | BLDG 2 - PANEL H | - | 14 |
| 15 | | | | | 13,380 | 13,380 | | | | | 16 |
| 17 | - | BLDG 1 - PANEL I | 200 | 2 | 14,100 | 14,100 | 2 | 200 | BLDG 2 - PANEL I | - | 18 |
| 19 | | | | | 13,740 | 13,740 | | | | | 20 |
| 21 | - | BLDG 1 - PANEL K | 200 | 2 | 14,100 | 14,100 | 2 | 200 | BLDG 2 - PANEL K | - | 22 |
| 23 | | | | | 13,740 | 13,740 | | | | | 24 |
| 25 | - | SPACE | | 1 | - | - | 1 | | SPACE | - | 26 |
| 27 | - | SPACE | | 1 | - | - | 1 | | SPACE | - | 28 |
| 29 | - | SPACE | | 1 | - | - | 1 | | SPACE | - | 30 |
| 31 | - | SPACE | | 1 | - | - | 1 | | SPACE | - | 32 |
| 33 | - | SPACE | | 1 | - | - | 1 | | SPACE | - | 34 |
| 35 | - | SPACE | | 1 | - | - | 1 | | SPACE | - | 36 |
| 37 | - | SPACE | | 1 | - | - | 1 | | SPACE | - | 38 |
| 39 | - | SPACE | | 1 | - | - | 1 | | SPACE | - | 40 |
| 41 | - | SPACE | | 1 | - | - | 1 | | SPACE | - | 42 |

SOLID NEUTRAL NEUTRAL WIRE (W) — GROUND BUS GROUND WIRE (G)

TOTAL CONNECTED LOAD (VA) = 338,760

AΦ = 14,656 — BΦ = 14,671 — CΦ = 14,566




## RISER DIAGRAM

SCALE: NONE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| # | DESCRIPTION | DATE |
|---|---|---|
| REVISIONS | | |

STATE OF LOUISIANA — BRIAN A. MISTICH — License No. 30187 — PROFESSIONAL ENGINEER

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JOB No: 2440 — DATE: 06-10-2021
DRAWN BY: AEP — CHECKED BY: CKD


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SHEET TITLE: ELECTRICAL CIRCUIT PANEL

DRAWING NUMBER: E103



FILE NAME: J:\- Schools Private\2440 - Lakeside Christian Academy\Current Drawings\E103 - Electric Circuit Panels & One-Line.dwg PLOT DATE & TIME: Thursday, June 10, 2021 12:57:20 PM