PANEL SCHEDULE

PANEL: A (EXISTING)
LOCATION: BLDG. WALL EXTERIOR NEAR A/C UNITS
FEEDER SOURCE: MDP

VOLTAGE: 120/240V 1Ø 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	AØ	BØ	400	1	20	OUTLETS	12	2
3					5250			720	1	20	OUTLETS	12	4
5	12	LIGHTING	20	1	1800			400	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 (N)
GROUND BUS GROUND WIRE (G)
AØ = 18,100 BØ = 19,140

PANEL SCHEDULE

PANEL: C (EXISTING)
LOCATION: BLDG. WALL EXTERIOR NEAR A/C UNITS
FEEDER SOURCE: MDP

VOLTAGE: 120/240V 1Ø 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	AØ	BØ	400	1	20	OUTLETS	12	2
3					5250			720	1	20	OUTLETS	12	4
5	12	LIGHTING	20	1	1800			400	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 (N)
GROUND BUS GROUND WIRE (G)
AØ = 14,100 BØ = 19,140

PANEL SCHEDULE

PANEL: E (EXISTING)
LOCATION: BLDG. WALL EXTERIOR NEAR A/C UNITS
FEEDER SOURCE: MDP

VOLTAGE: 120/240V 1Ø 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	AØ	BØ	400	1	20	OUTLETS	12	2
3					5250			720	1	20	OUTLETS	12	4
5	12	LIGHTING	20	1	1800			400	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 (N)
GROUND BUS GROUND WIRE (G)
AØ = 14,100 BØ = 19,140

PANEL SCHEDULE

PANEL: H (EXISTING)
LOCATION: BLDG. WALL EXTERIOR NEAR A/C UNITS
FEEDER SOURCE: MDP

VOLTAGE: 120/240V 1Ø 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	AØ	BØ	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 (N)
GROUND BUS GROUND WIRE (G)
AØ = 18,000 BØ = 19,360

PANEL SCHEDULE

PANEL: I (EXISTING)
LOCATION: BLDG. WALL EXTERIOR NEAR A/C UNITS
FEEDER SOURCE: MDP

VOLTAGE: 120/240V 1Ø 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	AØ	BØ	400	1	20	OUTLETS	12	2
3					5250			720	1	20	OUTLETS	12	4
5	12	LIGHTING	20	1	1800			400	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 (N)
GROUND BUS GROUND WIRE (G)
AØ = 14,100 BØ = 19,140

PANEL SCHEDULE

PANEL: K (EXISTING)
LOCATION: BLDG. WALL EXTERIOR NEAR A/C UNITS
FEEDER SOURCE: MDP

VOLTAGE: 120/240V 1Ø 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	AØ	BØ	400	1	20	OUTLETS	12	2
3					5250			720	1	20	OUTLETS	12	4
5	12	LIGHTING	20	1	1800			400	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 (N)
GROUND BUS GROUND WIRE (G)
AØ = 14,100 BØ = 19,140

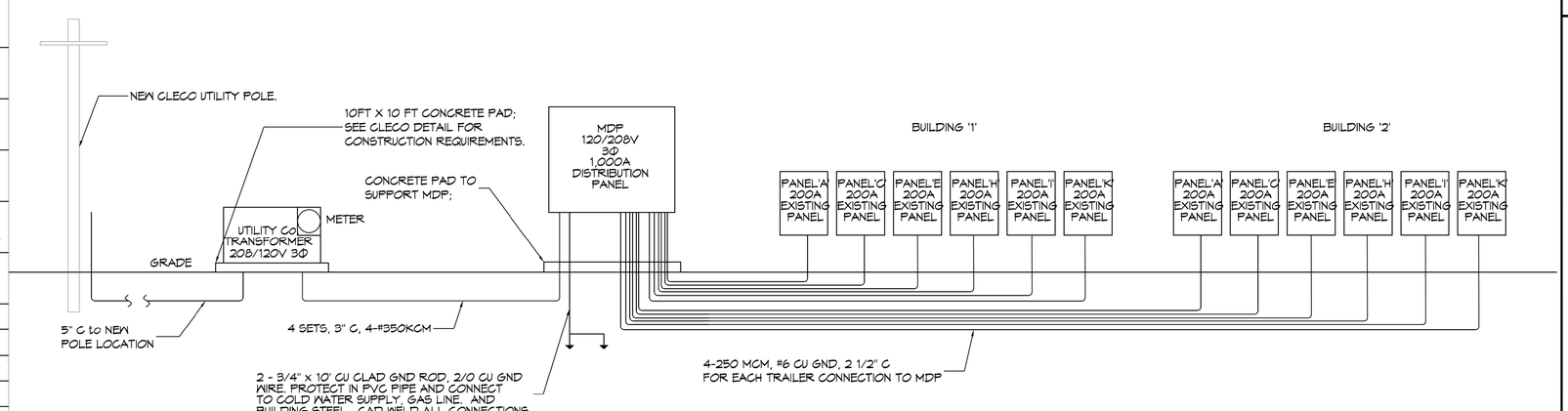
PANEL SCHEDULE

PANEL: MDP
LOCATION: NEAR FRONT ENTRANCE
FEEDER SOURCE: CLECO

VOLTAGE: 208/120V, 1,000A, 3Ø, 4W N/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	AØ	BØ CØ	15,900	2	200	BLDG 2 - PANEL A	-	2
3					13,140			13,140					4
5	-	BLDG 1 - PANEL C	200	2	14,100			14,100	2	200	BLDG 2 - PANEL C	-	6
7					13,140			13,140					8
9	-	BLDG 1 - PANEL E	200	2	14,100			14,100	2	200	BLDG 2 - PANEL E	-	10
11					13,140			13,140					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					13,140			13,140					20
21	-	BLDG 1 - PANEL K	200	2	14,100			14,100	2	200	BLDG 2 - PANEL K	-	22
23					13,140			13,140					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 (N)
TOTAL CONNECTED LOAD (VA) = 338,760
AØ = 14,656 BØ = 14,671 CØ = 14,566
GROUND BUS GROUND WIRE (G)



RISER DIAGRAM

SCALE: NONE

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REVISIONS

#	DESCRIPTION	DATE

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

LAKESIDE CHRISTIAN ACADEMY
1000 CANULETTE RD.
SLIDELL, LA 70458

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

The seal appearing on any of these drawings, specifications, or reports certifies that the work was prepared by me or under my direct supervision and that I am a duly licensed professional engineer under the laws of the state of Louisiana. Reproduction of these documents for other than authorized and contract purposes is prohibited. Project for which these documents were prepared and stamped is limited to the specific site and purpose indicated on these documents.

SHEET TITLE:
ELECTRICAL CIRCUIT PANEL

DRAWING NUMBER:
E103

SHEET No: 11 of 11

FILE NAME: J:\- Schools Private\2440 - Lakeside Christian Academy\Current Drawings\E103 - Electric Circuit Panels & One-Lines, PLOT DATE & TIME: Thursday, July 15, 2021 2:23:53 PM