FILE NAME: J:\- APARTMENTS\2492 - McMath - Square 5 - Covington\Drawings\Current\E-107 Elec Panel Sched.dwg PLOT DATE & TIME: Friday, March 8, 2024 1:41:55 PM

PANEL SCHEDULE

PANEL: COMMERCIAL AND HOUSE PANEL BLDG A
LOCATION: COMMERCIAL TENNANT AND HOUSE PANEL
FEEDER SOURCE: METER BANK
VOLTAGE: 208/120V, 200A, 3Φ, 4W W MAIN BREAKER
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER
AIC = 35,000

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	AΦ BΦ CΦ	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1		SPARE	20	1				3	XX	ELEVATOR (BREAKER SIZE TO BE DETERMINED)		2
3		SPARE	20	1								4
5		SPARE	20	1								6
7		SPARE	20	1						SPACE		8
9		SPARE	20	1						SPACE		10
11		SPARE	20	1						SPACE		12
13		SPACE								SPACE		14
15		SPACE								SPACE		16
17		SPACE								SPACE		18
19		SPACE								SPACE		20
21		SPACE								SPACE		22
23		SPACE								SPACE		24
25		SPACE								SPACE		26
27		SPACE								SPACE		28
29		SPACE								SPACE		30
31		SPACE								SPACE		32
33		SPACE								SPACE		34
35		SPACE								SPACE		36
37		SPACE								SPACE		38
39		SPACE								SPACE		40
41		SPACE								SPACE		42

SOLID NEUTRAL / NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA) =______
AΦ = ______ BΦ = ______ CΦ = ______
GROUND BUS / GROUND WIRE (G)

200A, 3 PHASE PANEL (TYPICAL FOR 6)

PANEL SCHEDULE

PANEL: DWELLING UNIT
LOCATION: 1200 S.F. DWELLING UNIT
FEEDER SOURCE: METER BANK
VOLTAGE: 208/120, 150A, 1Φ, 3W, WITH 150A MAIN
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER
AIC = 22,000

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	AΦ BΦ	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1		SPARE	20	1				2	20	SURGE SUPPRESOR		2
3		SPARE	20	1								4
5		SPARE	20	1				2	30	WATER HEATER		6
7		SPARE	20	1								8
9		SPARE	20	1				2	30	DRYER		10
11		SPARE	20	1								12
13		SPARE	20	1				2	50	RANGE		14
15		SPARE	20	1								16
17		SPARE	20	1				2	XX	FURNACE (BREAKER SIZE TO BE DETERMINED)		18
19		SPARE	20	1								20
21		SPARE	20	1				2	XX	CONDENSER (BREAKER SIZE TO BE DETERMINED)		22
23		SPARE	20	1								24
25		SPARE	20	1						SPACE		26
27		SPARE	20	1						SPACE		28
29		SPARE	20	1						SPACE		30
31		SPARE	20	1						SPACE		32

SOLID NEUTRAL / NEUTRAL WIRE (W)
AΦ =______ BΦ =______
GROUND BUS / GROUND WIRE (G)

150A, 1 PHASE PANEL FOR 1200 S.F. DWELLING UNIT (TYPICAL FOR 14)

ELECTRICAL LOAD SUMMARY

POWER COMPANY:	CLECO				
PROJECT NAME:	SQUARE 5 BUILDING A				
PROJECT ADDRESS:	BOSTON STREET AND VERMONT STREET				
CITY TOWN:	COVINGTON, LOUISIANA 70433				
INTENDED USER:	MIXED USE OFFICE, RETAIL & RESIDENTIAL CONDOS				
REQUIRED SERVICE:	208/120 VOLTS	3 PHASE	4 WIRE		
SERV ENTR SIZE:	1200 AMPS				
HVAC TONNAGE:	45 TONS				
LARGEST MOTOR:	HP	NOTE: MOTORS ABOVE 20 HP MAY REQUIRE REDUCED VOLTAGE STARTING AND ARE NEVER RECOMMENDED FOR USE WITH 240/120V, 1 PH, 3 W SERVICE			
TOTAL BUILDING SQUARE FOOTAGE:	18000 S.F.				
INDIVIDUAL UNIT SQUARE FOOTAGE:	1200 S.F.				
INDIVIDUAL UNIT DESIGNATION:	18000 (MULT OCCUPANCY)				

LOAD SOURCE	1Φ KVA	3Φ KVA	OR	1Φ KW	3Φ KW
BUILDING LIGHTING		25.0			
ELECTRIC WATER HEATING		45.0			
HEAT PUMPS		0.0			
SUPPLEMENTAL HEAT SYSTEMS		0.0			
AIR COND CONDENSING UNITS		100.0			
ELEC HEATING (PRIMARY) AHU'S		120.0			
COOKING		50.0			
REFRIGERATION		15.0			
RECEPTACLES (STANDARD)		40.0			
RECEPTACLES (COMPUTER)		N/A			
TOTAL MOTORS (EXCLUDE HVAC)		N/A			
EXTERIOR LIGHTING		4.0			
MISCELLANEOUS - CEILING FANS		60.0			
OTHER		67.0			
TOTAL CONNECTED LOAD	0.0	526.0		0.0	0.0

PANEL SCHEDULE

PANEL: DWELLING UNIT
LOCATION: 1800 S.F. DWELLING UNIT
FEEDER SOURCE: METER BANK
VOLTAGE: 208/120, 200A, 1Φ, 3W, WITH 150A MAIN
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER
AIC = 22,000

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	AΦ BΦ	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1		SPARE	20	1				2	20	SURGE SUPPRESOR		2
3		SPARE	20	1								4
5		SPARE	20	1				2	30	WATER HEATER		6
7		SPARE	20	1								8
9		SPARE	20	1				2	30	DRYER		10
11		SPARE	20	1								12
13		SPARE	20	1				2	50	RANGE		14
15		SPARE	20	1								16
17		SPARE	20	1				2	XX	FURNACE (BREAKER SIZE TO BE DETERMINED)		18
19		SPARE	20	1								20
21		SPARE	20	1				2	XX	CONDENSER (BREAKER SIZE TO BE DETERMINED)		22
23		SPARE	20	1								24
25		SPARE	20	1						SPACE		26
27		SPARE	20	1						SPACE		28
29		SPARE	20	1						SPACE		30
31		SPARE	20	1						SPACE		32

SOLID NEUTRAL / NEUTRAL WIRE (W)
AΦ =______ BΦ =______
GROUND BUS / GROUND WIRE (G)

200A, 1 PHASE PANEL FOR 1800 S.F. DWELLING UNIT (TYPICAL FOR 1)

PANEL SCHEDULE

PANEL: DWELLING UNIT
LOCATION: 1200 S.F. DWELLING UNIT
FEEDER SOURCE: METER BANK
VOLTAGE: 208/120, 150A, 1Φ, 3W, WITH 150A MAIN
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER
AIC = 22,000

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	AΦ BΦ	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1		SPARE	20	1						SPACE		2
3		SPARE	20	1						SPACE		4
5		SPARE	20	1						SPACE		6
7		SPARE	20	1						SPACE		8
9		SPARE	20	1						SPACE		10
11		SPARE	20	1						SPACE		12
13		SPARE	20	1						SPACE		14
15		SPARE	20	1						SPACE		16
17		SPARE	20	1						SPACE		18
19		SPARE	20	1						SPACE		20
21		SPARE	20	1						SPACE		22
23		SPARE	20	1						SPACE		24
25		SPARE	20	1						SPACE		26
27		SPARE	20	1						SPACE		28
29		SPARE	20	1						SPACE		30
31		SPARE	20	1						SPACE		32

SOLID NEUTRAL / NEUTRAL WIRE (W)
AΦ =______ BΦ =______
GROUND BUS / GROUND WIRE (G)

150A, 1 PHASE HOUSE PANEL BUILDING B (TYPICAL FOR 1)

ELECTRICAL LOAD SUMMARY

POWER COMPANY:	CLECO				
PROJECT NAME:	SQUARE 5 BUILDING B				
PROJECT ADDRESS:	BOSTON STREET AND VERMONT STREET				
CITY TOWN:	COVINGTON, LOUISIANA 70433				
INTENDED USER:	MIXED USE OFFICE, RETAIL & RESIDENTIAL CONDOS				
REQUIRED SERVICE:	208/120 VOLTS	3 PHASE	4 WIRE		
SERV ENTR SIZE:	400 AMPS				
HVAC TONNAGE:	18 TONS				
LARGEST MOTOR:	HP	NOTE: MOTORS ABOVE 20 HP MAY REQUIRE REDUCED VOLTAGE STARTING AND ARE NEVER RECOMMENDED FOR USE WITH 240/120V, 1 PH, 3 W SERVICE			
TOTAL BUILDING SQUARE FOOTAGE:	11000 S.F.				
INDIVIDUAL UNIT SQUARE FOOTAGE:	1200 S.F.				
INDIVIDUAL UNIT DESIGNATION:	7200 (MULT OCCUPANCY)				

LOAD SOURCE	1Φ KVA	3Φ KVA	OR	1Φ KW	3Φ KW
BUILDING LIGHTING		10.0			
ELECTRIC WATER HEATING		18.0			
HEAT PUMPS		0.0			
SUPPLEMENTAL HEAT SYSTEMS		0.0			
AIR COND CONDENSING UNITS		40.0			
ELEC HEATING (PRIMARY) AHU'S		42.0			
COOKING		30.0			
REFRIGERATION		6.0			
RECEPTACLES (STANDARD)		15.0			
RECEPTACLES (COMPUTER)		N/A			
TOTAL MOTORS (EXCLUDE HVAC)		N/A			
EXTERIOR LIGHTING		4.0			
MISCELLANEOUS - CEILING FANS		10.0			
OTHER		10.0			
TOTAL CONNECTED LOAD	0.0	185.0		0.0	0.0

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REVISIONS

#	DESCRIPTION	DATE

SEAL:

SHELL BUILDING
SQUARE 5
OFFICE AND RETAIL MIXED USE AND RESIDENTIAL CONDOMINIUMNS
BOSTON STREET AND VERMONT STREET, COVINGTON, LA 70433

JOB No: 2492 DATE: 3/1/2024
DRAWN BY: DPD CHECKED BY: BAM

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SHEET TITLE:
ELECTRICAL PANEL SCHEDULES, AND LOAD CALCS

DRAWING NUMBER:
E107

SHEET No: of #