ELECTRICAL PANELS

PANEL: A
LOCATION: BLDG UNIT 1A – BEDROOM
FEEDER SOURCE: ENTERGY
VOLTAGE: 120/240V, 150A 1Ø, 3W, MLO
SURFACE MOUNTED W/EQUIPMENT GND BAR

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	#10	HP COMPRESSOR 2 TON	30	2	1725	5400	2	50	RANGE	#8	2
3					1725	5400					4
5	#10	AHU 5 KW	30	2	2500	1000	1	20	MICROWAVE / VENTHOOD	#12	6
7					2500	1660	1	20	REFRIGERATOR, DESK RECEPTACLE	#12	8
9	#8	WATER HEATER	30	2	3600	1600	1	20	RECEPTACLES – COUNTER	#12	10
11					3600	1500	1	20	GARBAGE DISPOSAL, DISHWASHER	#12	12
13	#12	BEDROOM & SMOKE DETECTORS	*20	1	1120	640	1	20	RECEPTACLES – DINING	#12	14
15	#12	LIGHTS & EXHAUST – BATH	20	1	150	1600	1	20	RECEPTACLES – COUNTER	#12	16
17	#12	LIGHTS – UTILITY, KITCH., DINING, ENTRY, LIVING, STOR., PATIO	20	1	600	1440	1	20	RECEPTACLES – LIVING, PATIO, HALL, ENTRY	#12	18
19	#8	DRYER	30	2	2500	160	1	20	RECEPTACLE – BATH	#12	20
21					2500	1050	1	20	RECEPTACLES – UTILITY, WASHER	#12	22
23	–	SPARE	20	1	–	–	1	20	SPARE	–	24

SOLID NEUTRAL / NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA)=45,820 — AØ=23,175 BØ=22,645 — GROUND BUS / GROUND WIRE (G)

* CIRCUIT BREAKERS DENOTED WITH AN ASTERISK SHALL BE ARC–FAULT INTERRUPTING TYPE CIRCUIT BREAKERS

PANEL: B
LOCATION: BLDG UNIT 1B – UTILITY ROOM
FEEDER SOURCE: ENTERGY
VOLTAGE: 120/240V, 150A 1Ø, 3W, MLO
SURFACE MOUNTED W/EQUIPMENT GND BAR

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	#10	HP COMPRESSOR 2 TON	30	2	1725	5400	2	50	RANGE	#8	2
3					1725	5400					4
5	#10	AHU 5 KW	30	2	2500	1000	1	20	MICROWAVE / VENTHOOD	#12	6
7					2500	1660	1	20	REFRIGERATOR, DESK RECEPTICAL	#12	8
9	#8	WATER HEATER	30	2	3600	1600	1	20	RECEPTACLES – COUNTER	#12	10
11					3600	1500	1	20	GARBAGE DISPOSAL, DISHWASHER	#12	12
13	#12	BEDROOM & SMOKE DETECTORS	*20	1	1120	640	1	20	RECEPTICALS – DINING	#12	14
15	#12	LIGHTS & EXHAUST – BATH	20	1	150	1600	1	20	RECEPTACLES – COUNTER	#12	16
17	#12	LIGHTS – UTILITY, KITCH., DINING, ENTRY, LIVING, STOR., PATIO	20	1	600	1440	1	20	RECEPTACLES – LIVING, PATIO, HALL, ENTRY	#12	18
19	#8	DRYER	30	2	2500	160	1	20	RECEPTACLES – BATH	#12	20
21					2500	1050	1	20	RECEPTACLES – UTILITY, WASHER	#12	22
23	–	SPARE	20	1	–	–	1	20	SPARE	–	24

SOLID NEUTRAL / NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA)=45,090 — AØ=23,175 BØ=21,915 — GROUND BUS / GROUND WIRE (G)

* CIRCUIT BREAKERS DENOTED WITH AN ASTERISK SHALL BE ARC–FAULT INTERRUPTING TYPE CIRCUIT BREAKERS

PANEL: C
LOCATION: BLDG UNIT 1A–HC – BEDROOM
FEEDER SOURCE: ENTERGY
VOLTAGE: 120/240V, 150A 1Ø, 3W, MLO
SURFACE MOUNTED W/EQUIPMENT GND BAR

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	#10	HP COMPRESSOR 2 TON	30	2	1725	5400	2	50	RANGE	#8	2
3					1725	5400					4
5	#10	AHU 5 KW	30	2	2500	100	1	20	VENTHOOD	#12	6
7					2500	1480	1	20	REFRIGERATOR	#12	8
9	#8	WATER HEATER	30	2	3600	1000	1	20	MICROWAVE	#12	10
11					3600	1500	1	20	GARBAGE DISPOSAL, DISHWASHER	#12	12
13	#12	BEDROOM, SMOKE DETECTORS	*20	1	1120	640	1	20	RECEPTACLES – DINING	#12	14
15	#12	LIGHTS & EXHAUST – BATH	20	1	150	1600	1	20	RECEPTACLES – COUNTER	#12	16
17	#12	LIGHTS – UTLITY, KITCH.,DINING ENTRY, LIVING, STOR., PATIO	20	1	600	1600	1	20	RECEPTACLES – COUNTER	#12	18
19	#8	DRYER	30	2	2500	160	1	20	RECEPTACLES – BATH	#12	20
21					2500	1050	1	20	RECEPTACLES – UTILITY, WASHER	–	22
23	–	SPARE	20	1	–	–	1	20	SPARE	#12	24

SOLID NEUTRAL / NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA)=42,450 — AØ=21,835 BØ=20,615 — GROUND BUS / GROUND WIRE (G)

* CIRCUIT BREAKERS DENOTED WITH AN ASTERISK SHALL BE ARC–FAULT INTERRUPTING TYPE CIRCUIT BREAKERS

PANEL: D
LOCATION: BLDG UNIT 2A – BEDROOM
FEEDER SOURCE: ENTERGY
VOLTAGE: 120/240V, 150A 1Ø, 3W, MLO
SURFACE MOUNTED W/EQUIPMENT GND BAR

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	#8	HP COMPRESSOR 2.5 TON	35	2	1725	5400	2	50	RANGE	#8	2
3					1725	5400					4
5	#8	AHU 7.5 KW	40	2	3750	1000	1	20	MICROWAVE / VENTHOOD	#12	6
7					3750	1480	1	20	REFRIGERATOR	#12	8
9	#8	WATER HEATER	30	2	3600	1600	1	20	RECEPTACLES – COUNTER	#12	10
11					3600	1500	1	20	GARBAGE DISPOSAL, DISH WASHER	#12	12
13	#12	BEDROOM 1	*20	1	1120	480	1	20	RECEPTACLES – DINING	#12	14
15	#12	BEDROOM 2, SMOKE DETECTORS	*20	1	1120	1600	1	20	RECEPTACLES – COUNTER	#12	16
17	#12	LIGHTS & EXHAUST – BATH 1	20	1	150	1120	1	20	RECEPTACLES – LIVING RM., DESK, ENTRY, DINING RM.	#12	18
19	#12	LIGHTS & EXHAUST – BATH 2	20	1	150	160	1	20	RECEPTACLE – BATH 1	#12	20
21	#12	LIGHTS – STORAGE, PATIO DESK, DINING, ENTRY, LIVING RM.	20	1	600	160	1	20	RECEPTACLE – BATH 2	#12	22
23	#8	DRYER	30	2	2500	1050	1	20	RECEPTACLES – UTILITY, WASHER	#12	24
25					2500	–	1	20	SPARE	–	26
27	–	SPARE	20	1	–	–	1	20	SPARE	–	28
29	–	SPARE	20	1	–	–	1	20	SPARE	–	30

SOLID NEUTRAL / NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA)=46,670 — AØ=22,565 BØ=24,105 — GROUND BUS / GROUND WIRE (G)

* CIRCUIT BREAKERS DENOTED WITH AN ASTERISK SHALL BE ARC–FAULT INTERRUPTING TYPE CIRCUIT BREAKERS

PANEL: F
LOCATION: BLDG UNIT 3A – UTILITY
FEEDER SOURCE: ENTERGY
VOLTAGE: 120/240V, 150A 1Ø, 3W, MLO
SURFACE MOUNTED W/EQUIPMENT GND BAR

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	#8	HP COMPRESSOR 3 TON	40	2	3450	5400	2	50	RANGE	#8	2
3					3450	5400					4
5	#8	AHU 7.5 KW	40	2	3750	1000	1	20	MICROWAVE / VENTHOOD	#12	6
7					3750	1660	1	20	REFRIGERATOR, DESK RECEPTICLE	#12	8
9	#8	WATER HEATER	30	2	3600	1600	1	20	RECEPTACLES – COUNTER	#12	10
11					3600	1500	1	20	GARBAGE DISPOSAL, DISHWASHER	#12	12
13	#12	BEDROOM 1	*20	1	1120	480	1	20	RECEPTICALS – DINING	#12	14
15	#12	BEDROOM 2	*20	1	1120	1600	1	20	RECEPTACLES – COUNTER	#12	16
17	#12	BEDROOM 3 & SMOKE DETECTORS	*20	1	1120	1120	1	20	RECEPTACLES – HALL, ENTRY LIVING RM., STORAGE, PATIO	#12	18
19	#12	LIGHTS & EXHAUST – BATH 1	20	1	150	160	1	20	RECEPTACLE – BATH 1	#12	20
21	#12	LIGHTS & EXHAUST – BATH 2	20	1	150	160	1	20	RECEPTACLE – BATH 2	#12	22
23	#12	LIGHTS – UTILITY, KITCH., DESK, LIVING RM. HALL, PATIO, ENTRY	20	1	800	1050	1	20	RECEPTACLES – UTILITY, WASHER DESK, UTILITY	#12	24
25	#8	DRYER	30	2	2500	–	1	20	SPARE	–	26
27					2500	–	1	20	SPARE	–	28
29	–	SPARE	20	1	–	–	1	20	SPARE	–	30

SOLID NEUTRAL / NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA)=52,670 — AØ=25,930 BØ=26,740 — GROUND BUS / GROUND WIRE (G)

* CIRCUIT BREAKERS DENOTED WITH AN ASTERISK SHALL BE ARC–FAULT INTERRUPTING TYPE CIRCUIT BREAKERS

PANEL: G
LOCATION: BLDG UNIT 2A–HC – BEDROOM
FEEDER SOURCE: ENTERGY
VOLTAGE: 120/240V, 150A 1Ø, 3W, MLO
SURFACE MOUNTED W/EQUIPMENT GND BAR

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	#8	HP COMPRESSOR 2.5 TON	35	2	1725	5400	2	50	RANGE	#8	2
3					1725	5400					4
5	#8	AHU 7.5 KW	40	2	3750	100	1	20	VENTHOOD	#12	6
7					3750	1480	1	20	REFRIGERATOR	#12	8
9	#8	WATER HEATER	30	2	3600	1600	1	20	RECEPTACLES – COUNTER	#12	10
11					3600	1500	1	20	GARBAGE DISPOSAL, DISHWASHER	#12	12
13	#12	BEDROOM 1	*20	1	1120	480	1	20	RECEPTACLES – DINING	#12	14
15	#12	BEDROOM 2 & SMOKE DETECTORS	*20	1	1120	1600	1	20	RECEPTACLES – COUNTER	#12	16
17	#12	LIGHTS & EXHAUST – BATH 1	20	1	150	1050	1	20	RECEPTACLES – UTILITY, WASHER	#12	18
19	#12	LIGHTS & EXHAUST – BATH 2	20	1	150	160	1	20	RECEPTACLE – BATH 1	#12	20
21	#12	LIGHTS – UTLITY, KITCH., PATIO DINING, ENTRY, LIVING RM.	20	1	600	160	1	20	RECEPTACLE – BATH 2	#12	22
23	#12	MICROWAVE	20	1	1000	1120	1	20	RECEPTACLES – LIVING RM., DESK, ENTRY, PATIO	#12	24
25	#8	DRYER	30	2	2500	–	1	20	SPARE	–	26
27					2500	–	1	20	SPARE	–	28
29	–	SPARE	20	1	–	–	1	20	SPARE	–	30

SOLID NEUTRAL / NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA)=43,720 — AØ=20,985 BØ=22,735 — GROUND BUS / GROUND WIRE (G)

* CIRCUIT BREAKERS DENOTED WITH AN ASTERISK SHALL BE ARC–FAULT INTERRUPTING TYPE CIRCUIT BREAKERS

PANEL: H
LOCATION: BLDG UNIT 3A–HC – UTILITY
FEEDER SOURCE: ENTERGY
VOLTAGE: 120/240V, 150A 1Ø, 3W, MLO
SURFACE MOUNTED W/EQUIPMENT GND BAR

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	#8	HP COMPRESSOR 3 TON	40	2	3450	5400	2	50	RANGE	#8	2
3					3450	5400					4
5	#8	AHU 7.5 KW	40	2	3750	100	1	20	VENTHOOD	#12	6
7					3750	1660	1	20	RECEPTACLES – DESK, REFRIGERATOR	#12	8
9	#8	WATER HEATER	30	2	3600	1600	1	20	RECEPTACLES – COUNTER	#12	10
11					3600	1500	1	20	GARBAGE DISPOSAL, DISHWASHER	#12	12
13	#12	BEDROOM 1	*20	1	1120	480	1	20	RECEPTACLES – DINING	#12	14
15	#12	BEDROOM 2	*20	1	1120	1600	1	20	RECEPTACLES – COUNTER	#12	16
17	#12	BEDROOM 3 & SMOKE DETECTORS	*20	1	1120	1600	1	20	RECEPTACLES – HALL, ENTRY LIVING RM., STORAGE, PATIO	#12	18
19	#12	LIGHTS & EXHAUST – BATH 1	20	1	150	160	1	20	RECEPTACLE – BATH 1	#12	20
21	#12	LIGHTS & EXHAUST – BATH 2	20	1	150	160	1	20	RECEPTACLE – BATH 2	#12	22
23	#12	LIGHTS – UTLITY, KITCH., DESK HALL, LIVING, PATIO, ENTRY, STORAGE	20	1	800	1050	1	20	RECEPTACLES – UTILITY, WASHER	#12	24
25	#8	DRYER	30	2	2500	1000	1	20	MICROWAVE	#12	26
27					2500	–	1	20	SPARE	–	28
29	–	SPARE	20	1	–	–	1	20	SPARE	–	30

SOLID NEUTRAL / NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA)=52,780 — AØ=26,030 BØ=26,750 — GROUND BUS / GROUND WIRE (G)

* CIRCUIT BREAKERS DENOTED WITH AN ASTERISK SHALL BE ARC–FAULT INTERRUPTING TYPE CIRCUIT BREAKERS

PANEL: J
LOCATION: LEASING / CLUBHOUSE BLDG – 2 BEDROOM
FEEDER SOURCE: ENTERGY
VOLTAGE: 120/240V, 150A 1Ø, 3W, MLO
SURFACE MOUNTED W/EQUIPMENT GND BAR

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	#8	HP COMPRESSOR 3 TON	40	2	3450	5400	2	50	RANGE	#8	2
3					3450	5400					4
5	#8	AHU 7.5 KW	40	2	3750	1000	1	20	MICROWAVE / VENTHOOD	#12	6
7					3750	1480	1	20	REFRIGERATOR	#12	8
9	#8	WATER HEATER	30	2	3600	1600	1	20	RECEPTACLES – COUNTER	#12	10
11					3600	1500	1	20	GARBAGE DISPOSAL, DISHWASHER	#12	12
13	#12	BEDROOM 1 & SMOKE DETECTORS	*20	1	1120	480	1	20	RECEPTACLES – DINING	#12	14
15	#12	BEDROOM 2	*20	1	1120	1600	1	20	RECEPTACLES – COUNTER	#12	16
17	#12	LIGHTS & EXHAUST – BATH 1	20	1	150	1120	1	20	RECEPTACLES – ENTRY, LIVING, HALL	#12	18
19	#12	LIGHTS & EXHAUST – BATH 2	20	1	150	160	1	20	RECEPTACLE – BATH 1	#12	20
21	#12	LIGHTS – STORAGE, HALL, LIVING RM., ENTRY, DINING, KITCH.	20	1	600	160	1	20	RECEPTACLE – BATH 2	#12	22
23	#12	WASHER	20	1	890	2500	2	30	DRYER	#8	24
25	–	SPARE	20	1	–	2500					26
27	–	SPARE	20	1	–	–	1	20	SPARE	–	28
29	–	SPARE	20	1	–	–	1	20	SPARE	–	30

SOLID NEUTRAL / NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA)=51,010 — AØ=25,410 BØ=25,600 — GROUND BUS / GROUND WIRE (G)

* CIRCUIT BREAKERS DENOTED WITH AN ASTERISK SHALL BE ARC–FAULT INTERRUPTING TYPE CIRCUIT BREAKERS

PANEL: K
LOCATION: LEASING / CLUBHOUSE – 1 BEDROOM
FEEDER SOURCE: ENTERGY
VOLTAGE: 120/240V, 150A 1Ø, 3W, MLO
SURFACE MOUNTED W/EQUIPMENT GND BAR

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	#10	HP COMPRESSOR 2 TON	30	2	1725	5400	2	50	RANGE	#8	2
3					1725	5400					4
5	#10	AHU 5 KW	30	2	2500	1000	1	20	MICROWAVE / VENTHOOD	#12	6
7					2500	1480	1	20	REFRIGERATOR	#12	8
9	#8	WATER HEATER	30	2	3600	1600	1	20	RECEPTACLES – COUNTER	#12	10
11					3600	1500	1	20	GARBAGE DISPOSAL, DISHWASHER	#12	12
13	#12	RECEPTACLES & SMOKE DETECTORS – BEDROOM	*20	1	1120	480	1	20	RECEPTACLES – DINING	#12	14
15	#12	LIGHTS & EXHAUST – BATH	20	1	150	1600	1	20	RECEPTACLES – COUNTER	#12	16
17	#12	LIGHTS – UTL., KITCH., DINING, ENTRY, LIVING	20	1	600	160	1	20	RECEPTACLE – BATH	#12	18
19	#12	RECEPTACLES – HALL, LIVING, ENTRY	20	1	1120	2500	2	30	DRYER	#8	20
21	#12	WASHER	20	1	890	2500					22
23	–	SPARE	20	1	–	–	1	20	SPARE	–	24

SOLID NEUTRAL / NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA)=43,150 — AØ=21,575 BØ=21,575 — GROUND BUS / GROUND WIRE (G)

* CIRCUIT BREAKERS DENOTED WITH AN ASTERISK SHALL BE ARC–FAULT INTERRUPTING TYPE CIRCUIT BREAKERS

PANEL: EP
LOCATION: LEASING / CLUBHOUSE MAINTENANCE RM. 24
FEEDER SOURCE: ENTERGY
120/240V, 200A 1Ø, 3W, MLO
SURFACE MOUNTED W/EQUIPMENT GND BAR

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	#8	HP #3 4 TON	50	2	4025	4600	2	60	HP #5 5 TON	#6	2
3					4025	4600					4
5	#8	AHU #3 7.5 KW	40	2	3750	5000	2	60	AHU #5 10 KW	#6	6
7					3750	5000					8
9	#6	HP #4 5 TON	60	2	4600	5000	2	60	AHU #5 10 KW	#6	10
11					4600	5000					12
13	#6	AHU #4 10 KW	60	2	5000	3600	2	30	WATER HEATER	#8	14
15					5000	3600					16
17	#6	AHU #4 10 KW	60	2	5000	1600	1	20	RECEPTACLES – COUNTER	#12	18
19					5000	1600	1	20	RECEPTACLES – COUNTER	#12	20
21	#12	MICROWAVE	20	1	1000	1500	1	20	DISHWASHER	#12	22
23	#12	REFRIGERATOR	20	1	1480	160	1	20	GFI RECPT. – 1st FL MEN'S, EXTERIOR	#12	24
25	#12	GARBAGE DISPOSAL	20	1	975	160	1	20	GFI RECPT. – 1st FL WOMEN'S, EXTERIOR	#12	26
27	#12	RECEPTACLES – MAINT., HALL	20	1	1120	1120	1	20	RECEPTACLES – EXERCISE RM.	#12	28
29	#12	RECEPTACLES – REC. ROOM	20	1	960	1120	1	20	RECEPTACLES – EXERCISE RM.	#12	30
31	#12	RECEPTACLES – MEDIA RM., HALL	20	1	1120	960	1	20	RECEPTACLES – EXERCISE RM., HALL	#12	32
33	#12	RECEPTACLES – RECEPT., ASST. MNGR., HALL	20	1	1120	800	1	20	RECEPTACLES – LEASE AREA	#12	34
35	#12	RECEPTACLES – RECEPT., LEASE AREA	20	1	800	1120	1	20	RECEPTACLES – RECEPT. DESK, COPY / FILE ROOM	#12	36
37	#12	RECEPTACLES – MANAGER	20	1	960	1120	1	20	SMOKE DETECTORS	#12	38
39	#12	VENDING MACHINES	20	1	1200	–	1	20	SPARE	–	40
41	–	SPARE	20	1	–	–	1	20	SPARE	–	42

SOLID NEUTRAL / NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA)=103,145 — AØ=51,890 BØ=51,255 — GROUND BUS / GROUND WIRE (G)

* CIRCUIT BREAKERS DENOTED WITH AN ASTERISK SHALL BE ARC–FAULT INTERRUPTING TYPE CIRCUIT BREAKERS

PANEL: EL
LOCATION: LEASING / CLUBHOUSE MAINTENANCE RM. 24
FEEDER SOURCE: ENTERGY
VOLTAGE: 120/240V, 150A 1Ø, 3W, MLO
SURFACE MOUNTED W/EQUIPMENT GND BAR

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	#12	EXTERIOR LIGHTS – 1st FLOOR	20	1	1725	5400	1	20	LIGHTS – 1st FLOOR REC. RM.	#12	2
3	#12	EXTERIOR LIGHTS – 1st FLOOR	20	1	1725	5400	1	20	LIGHTS – 1st FLOOR REC. RM.	#12	4
5	#12	EXTERIOR LIGHTS – 1st FLOOR	20	1	2500	100	1	20	LIGHTS – 1st FLOOR REC.,RM., KITCHEN	#12	6
7	#12	EXTERIOR LIGHTS – 1st FLOOR	20	1	2500	1480	1	20	LIGHTS – 1st FLOOR HALL, MAINT., MEDIA	#12	8
9	#12	EXTERIOR LIGHTS – 1st FLOOR	20	1	3600	1600	1	20	LIGHTS – 1st FLOOR RECEPTION	#12	10
11	#12	EXTERIOR LIGHTS – 2nd FLOOR	20	1	3600	975	1	20	LIGHTS – 1st FLOOR LEASE AREA	#12	12
13	#12	EXTERIOR LIGHTS – 2nd FLOOR	20	1	1120	1500	1	20	LIGHTS – 1st FLOOR LEASE AREA	#12	14
15	#12	EXTERIOR LIGHTS – 2nd FLOOR	*20	1	1120	1600	1	20	LIGHTS – 1st FLOOR COPY, MNGR., AST. MNGR., REST ROOMS	#12	16
17	#12	EMERGENCY LIGHTS 1st FLOOR	20	1	150	1120	1	20	LIGHTS – 1st FLOOR EXERCISE ROOM	#12	18
19	#12	EMERGENCY LIGHTS 1st & 2nd FLOORS	20	1	150	160	1	20	LIGHTS – 1st FLOOR EXERCISE RM., VEND.	#12	20
21	#12	LIGHTS – STAIR, 2nd FLOOR HALL & CLO.	20	1	600	160	1	20	SPARE	#12	22
23	–	SPARE	20	1	–	1120	1	20	SPARE	#12	24

SOLID NEUTRAL / NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA)=39,405 — AØ=19,575 BØ=19,830 — GROUND BUS / GROUND WIRE (G)

* CIRCUIT BREAKERS DENOTED WITH AN ASTERISK SHALL BE ARC–FAULT INTERRUPTING TYPE CIRCUIT BREAKERS

PANEL: HP–1
LOCATION: NEAR SERVICE EQUIPMENT (BLDGS. 1,2,5&6)
FEEDER SOURCE: ENTERGY
NEMA 3R ENCLOSURE
VOLTAGE: 120/240V, 60A 1Ø, 3W, MLO
SURFACE MOUNTED W/EQUIPMENT GND BAR

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	#12	LIGHTING – BREEZEWAY	20	1	960	960	1	20	MAINTENANCE RECEPTACLES	#12	2
3	#12	EXTERIOR LIGHTS	20	1	1410	960	1	20	MAINTENANCE RECEPTACLES	#12	4
5	#12	LIGHTING – BREEZEWAY	20	1	960	–	1	20	EMERGENCY	#12	6
7	#12	LIGHTING – BREEZEWAY	20	1	960	–	1	20	SPARE	–	8
9	–	SPARE	20	1	–	–	1	20	SPARE	–	10

SOLID NEUTRAL / NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA)=3,970 — AØ=2,880 BØ=3,330 — GROUND BUS / GROUND WIRE (G)

PANEL: HP–2
LOCATION: NEAR SERVICE EQUIPMENT (BUILDING 3)
FEEDER SOURCE: ENTERGY
NEMA 3R ENCLOSURE
VOLTAGE: 120/240V, 60A 1Ø, 3W, MLO
SURFACE MOUNTED W/EQUIPMENT GND BAR

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	#12	LIGHTING – BREEZEWAY	20	1	720	720	1	20	MAINTENANCE RECEPTACLES	#12	2
3	#12	EXTERIOR LIGHTS	20	1	1410	900	1	20	MAINTENANCE RECEPTACLES	#12	4
5	#12	LIGHTING – BREEZEWAY	20	1	720	–	1	20	EMERGENCY	#12	6
7	–	SPARE	20	1	–	–	1	20	SPARE	–	8
9	–	SPARE	20	1	–	–	1	20	SPARE	–	10

SOLID NEUTRAL / NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA)=3,970 — AØ=2,160 BØ=2,310 — GROUND BUS / GROUND WIRE (G)

ENTERGY - Electrical Load Summary

Project Name: Crosswinds Apartments (Buildings 1,2,5 & 6)
Project Address: -
City / Town: Hammond, Louisiana
Intended Use: New Apartment Complex
Requested Service: 120/208 Volts 1 Ø Phase 3 Wires
Service Entrance Size: 3600 Amps
HVAC Tonnage: 90 Tons
Largest Motor: N/A HP (Note: Motors above 20 hp may require reduced Voltage starting and are never recommended for use with 120/240V, 3 Ø, 4W services.)
Total Building Square Footage: - Square Feet
Individual Unit Square Footage: - Square Feet (Multiple Occupancy)
Individual Unit Designation: - (Multiple Occupancy)

LOAD SOURCE	1Ø - kVA	3Ø - kVA	or	1Ø - kW	3Ø - kW
Interior Building Lighting	33,000	-	or	-	-
Exterior Building Lighting	4,290	-	or	-	-
Electric Water Heating	259,200	-	or	-	-
Heat Pumps	165,600	-	or	-	-
Electrical Heating (Primary) - AHUs	240,000	-	or	-	-
Cooking	424,800	-	or	-	-
Refrigeration	53,280	-	or	-	-
Receptacles	283,980	-	or	-	-
Arc-Fault Circuits (Bed Rooms)	80,640	-	or	-	-
Dryers	180,000	-	or	-	-

ENTERGY - Electrical Load Summary

Project Name: Crosswinds Apartments (Building 3)
Project Address: -
City / Town: Hammond, Louisiana
Intended Use: New Apartment Complex
Requested Service: 120/208 Volts 1 Ø Phase 3 Wires
Service Entrance Size: 2400 Amps
HVAC Tonnage: 54 Tons
Largest Motor: N/A HP (Note: Motors above 20 hp may require reduced Voltage starting and are never recommended for use with 120/240V, 3 Ø, 4W services.)
Total Building Square Footage: - Square Feet
Individual Unit Square Footage: - Square Feet (Multiple Occupancy)
Individual Unit Designation: - (Multiple Occupancy)

LOAD SOURCE	1Ø - kVA	3Ø - kVA	or	1Ø - kW	3Ø - kW
Interior Building Lighting	19,800	-	or	-	-
Exterior Building Lighting	2,498	-	or	-	-
Electric Water Heating	172,800	-	or	-	-
Heat Pumps	82,800	-	or	-	-
Electrical Heating (Primary) - AHUs	150,000	-	or	-	-
Cooking	283,200	-	or	-	-
Refrigeration	35,520	-	or	-	-
Receptacles	93,660	-	or	-	-
Arc-Fault Circuits (Bed Rooms)	40,320	-	or	-	-
Dryers	120,000	-	or	-	-

ENTERGY - Electrical Load Summary

Project Name: Crosswinds Apartments (Clubhouse / Leasing Building)
Project Address: -
City / Town: Hammond, Louisiana
Intended Use: New Apartment Complex
Requested Service: 120/240 Volts 1 Ø Phase 3 Wires
Service Entrance Size: 600 Amps
HVAC Tonnage: 16.5 Tons
Largest Motor: N/A HP (Note: Motors above 20 hp may require reduced Voltage starting and are never recommended for use with 120/240V, 3 Ø, 4W services.)
Total Building Square Footage: - Square Feet
Individual Unit Square Footage: - Square Feet (Multiple Occupancy)
Individual Unit Designation: - (Multiple Occupancy)

LOAD SOURCE	1Ø - kVA	3Ø - kVA	or	1Ø - kW	3Ø - kW
Interior Building Lighting	33,000	-	or	-	-
Exterior Building Lighting	18,190	-	or	-	-
Electric Water Heating	21,600	-	or	-	-
Heat Pumps	26,450	-	or	-	-
Electrical Heating (Primary) - AHUs	40,000	-	or	-	-
Cooking	24,600	-	or	-	-
Refrigeration	4,440	-	or	-	-
Receptacles	29,395	-	or	-	-
Arc-Fault Circuits (Bed Rooms)	3,360	-	or	-	-
Dryers	10,000	-	or	-	-

ELECTRICAL PANELS
SCALE: NO SCALE

DAMMON ENGINEERING, INC.

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NEW APARTMENT COMPLEX

CROSSWINDS APARTMENTS
HAMMOND, LA

ELECTRICAL PANELS

REV: 1 / 1-15-10 △

SCALE: AS NOTED
JOB#: 208112.13
DATE: 12-16-09
SHEET
E-2
OF