FILE NAME: J:\- Offices\2025 - Rawlin Carter Kaufmann Covington\Current office Drawings\E105 -Panels.dwg PLOT DATE & TIME: Friday, March 27, 2026 9:13:32 AM

## PANEL SCHEDULE

PANEL: PP1
LOCATION: OFFICE BUILDING
FEEDER SOURCE: UTILITY COMPANY
VOLTAGE: 240/120V, 300A, 1 Φ, 3 W, WITH MAIN LUGS ONLY
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) | LOAD (VA) | BREAKER POLE | BREAKER AMP | LOAD DESCRIPTION / LOCATION | THHN WIRE SIZE | CKT NO |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | #12 | RECEPT, BREAK ROOM | 20 | 1 | 720 | 1400 | 1 | 20 | LIGHTS, REAR, REAR EXTERIOR | #12 | 2 |
| 3 | #12 | RECEPT, REFRIGERATOR BREAK ROOM | 20 | 1 | 1200 | 1000 | 1 | 20 | LIGHTS, CENTER | #12 | 4 |
| 5 | #12 | TV'S OFFICE 1 AND 2 | 20 | 1 | 360 | 500 | 1 | 20 | LIGHTS, LEFT CENTER | #12 | 6 |
| 7 | #12 | RECEPT OFFICE 1 | 20 | 1 | 1260 | 700 | 1 | 20 | LIGHTS, RIGHT CENTER | #12 | 8 |
| 9 | #12 | RECEPT OFFICE 2 | 20 | 1 | 1080 | 700 | 1 | 20 | LIGHTS, FRONT | #12 | 10 |
| 11 | #12 | TV OFFICE 3 | 20 | 1 | 360 | 600 | 1 | 20 | LIGHTS, FRONT EXTERIOR | #12 | 12 |
| 13 | #12 | RECEPT OFFICE 3 | 20 | 1 | 900 | 1000 | 1 | 20 | LIGHTS, SIGN | #12 | 14 |
| 15 | #12 | RECEPT OFFICE 4 REAR, AND EXTERIOR | 20 | 1 | 1080 | | 1 | 20 | SPARE | | 16 |
| 17 | #12 | TV'S OFFICE 4 AND 5 | 20 | 1 | 360 | | 1 | 20 | SPARE | | 18 |
| 19 | #12 | RECEPT OFFICE 4 RIGHT SIDE | 20 | 1 | 1080 | | 1 | 20 | SPARE | | 20 |
| 21 | #12 | RECEPT OFFICE 5 AND BATHROOM | 20 | 1 | 1080 | | 1 | 20 | SPARE | | 22 |
| 23 | #12 | RECEPT, REFRIGERATOR CONFERENCE ROOM | 20 | 1 | 1200 | 2500 | 2 | 30 | WATER HEATER | #10 | 24 |
| 25 | #12 | RECEPT, MEDIA CLOSET 1 | 20 | 1 | 180 | 2500 | | | | | 26 |
| 27 | #12 | RECEPT, MEDIA CLOSET 2 | 20 | 1 | 180 | 3600 | 2 | 40 | AHU 1 | #10 | 28 |
| 29 | #12 | RECEPT, MEDIA CLOSET 3 | 20 | 1 | 180 | 3600 | | | | | 30 |
| 31 | #12 | TV CONFERENCE ROOM | 20 | 1 | 180 | 3500 | 2 | 40 | HEAT PUMP, CU-1 | #8 | 32 |
| 33 | #12 | RECEPT CONFERENCE ROOM | 20 | 1 | 1080 | 3500 | | | | | 34 |
| 35 | #12 | TV WAITING ROOM | 20 | 1 | 180 | 3600 | 2 | 40 | AHU 2 | #10 | 36 |
| 37 | #12 | RECEPT WAITING ROOM EXTERIOR FRONT | 20 | 1 | 1080 | 3600 | | | | | 38 |
| 39 | #12 | RECEPT, FILE ROOM, LEFT SIDE | 20 | 1 | 720 | 3500 | 2 | 40 | HEAT PUMP, CU-2 | #8 | 40 |
| 41 | #12 | RECEPT, FILE ROOM, RIGHT SIDE | 20 | 1 | 720 | 3500 | | | | | 42 |
| 43 | #12 | RECEPT, BEHIND RECEPTION AND BATHROOM | 20 | 1 | 540 | | | | SPACE | | 44 |
| 45 | #12 | RECEPT, BEHIND RECEPTION | 20 | 1 | 360 | | | | SPACE | | 46 |
| 47 | #12 | RECEPT, RECEPTION REAR | 20 | 1 | 540 | | | | SPACE | | 48 |
| 49 | #12 | RECEPT, RECEPTION FRONT AND HALL | 20 | 1 | 900 | | | | SPACE | | 50 |
| 51 | #12 | AUTOMATED GATE | 20 | 1 | 1000 | | | | SPACE | | 52 |
| 53 | | SPARE | 20 | 1 | | | | | SPACE | | 54 |
| 55 | #12 | RECEPT, MICROWAVE BREAK AREA | 20 | 1 | 1500 | | | | SPACE | | 56 |
| 57 | | SPARE | 20 | 1 | | | | | SPACE | | 58 |
| 59 | | SPARE | 20 | 1 | | | | | SPACE | | 60 |
| 61 | #12 | SURGE SUPRESSOR | 30 | 2 | 0 | | | | SPACE | | 62 |
| 63 | | | | | 0 | | | | SPACE | | 64 |

SOLID NEUTRAL / NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA) = 59,320 — AΦ = 29,300 — BΦ = 30,020 — GROUND BUS / GROUND WIRE (G)

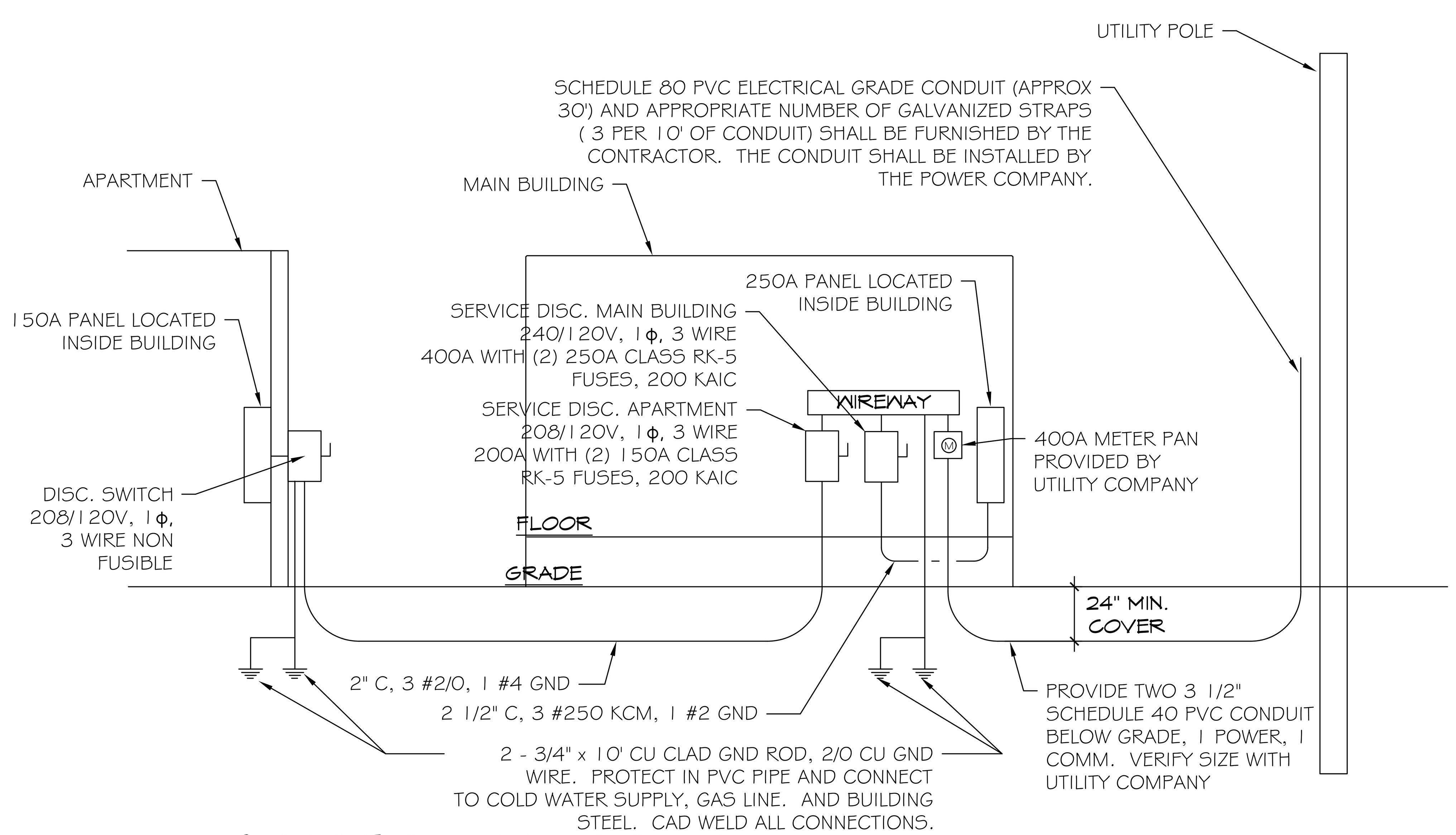
## PANEL SCHEDULE

PANEL: PP2
LOCATION: APARTMENT/STORAGE BLDG
FEEDER SOURCE: UTILITY COMPANY
VOLTAGE: 240/120V, 200A, 1Φ, 3W WITH MAIN LUGS ONLY
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) | LOAD (VA) | BREAKER POLE | BREAKER AMP | LOAD DESCRIPTION / LOCATION | THHN WIRE SIZE | CKT NO |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | #12 | RECEPT, STORAGE AREA FRONT | 20 | 1 | 1080 | 600 | 1 | 20 | LIGHTS, EXTERIOR | #12 | 2 |
| 3 | #12 | RECEPT, STORAGE AREA, REAR | 20 | 1 | 1800 | 600 | 1 | 20 | LIGHTS, STORAGE AREA | #12 | 4 |
| 5 | #12 | RECEPT, TV, LIVING AREA | 20 | 1 | 720 | 600 | 1 | 20 | LIGHTS, BATHROOM AND PORCH | #12 | 6 |
| 7 | #12 | RECEPT, BATHROOM AND EXTERIOR | 20 | 1 | 900 | 600 | 1 | 20 | LIGHTS, APARTMENT | #12 | 8 |
| 9 | #12 | RECEPT, REFRIGERATOR | 20 | 1 | 1500 | | 1 | 20 | SPARE | | 10 |
| 11 | #12 | RECEPT, KITCHEN COUNTER | 20 | 1 | 1260 | | 1 | 20 | SPARE | | 12 |
| 13 | #12 | RECEPT, BEDROOM | 20 | 1 | 1260 | | 1 | 20 | SPARE | | 14 |
| 15 | #12 | CONTROL POWER TO WATER HEATER | 20 | 1 | 100 | | 1 | 20 | SPARE | | 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 | | | | 2500 | 2 | 30 | 220V, 30A RECEPT, STORAGE AREA | #10 | 36 |
| 37 | | SPACE | | | | 2500 | | | | | 38 |
| 39 | #12 | SURGE SUPRESSOR | 30 | 2 | 0 | 2500 | 2 | 30 | MINI SPLIT | #10 | 40 |
| 41 | | | | | 0 | 2500 | | | | | 42 |

SOLID NEUTRAL / NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA) = 20,020 — AΦ = 10,760 — BΦ = 10,260 — GROUND BUS / GROUND WIRE (G)

5 ELECTRICAL PANELS
SCALE: NONE

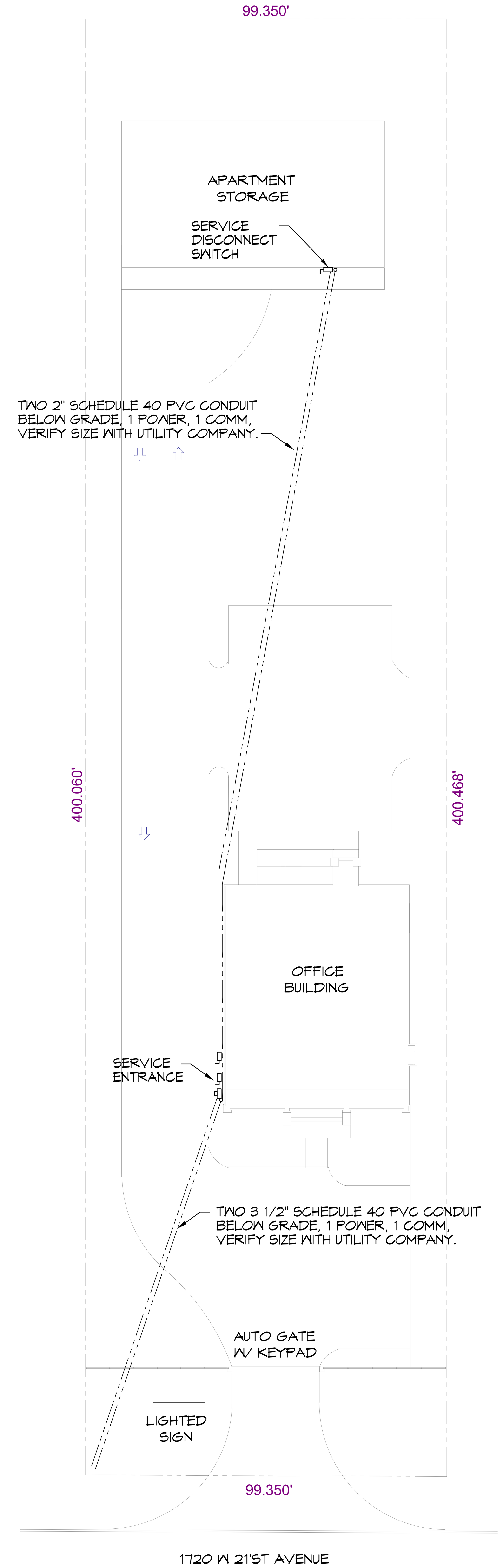



6 RISER DIAGRAM
SCALE: NONE

## ELECTRICAL LOAD SUMMARY

| | | | | | | |
|---|---|---|---|---|---|---|
| POWER COMPANY: | CLECO | | | | | |
| PROJECT NAME: | RAWLIN CARTER | | | | | |
| PROJECT ADDRESS: | 1720 W. 21st AVE, COVINGTON, LA. | | | | | |
| CITY TOWN: | MANDEVILLE, LOUISIANA | | | | | |
| INTENDED USER: | OFFICE | | | | | |
| REQUIRED SERVICE: | 240/120 | VOLTS | 1 | PHASE | 3 | WIRE |
| SERV ENTR SIZE: | 300 | AMPS | | | | |
| HVAC TONNAGE: | 13 | 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: | | | | S.F. | | |
| INDIVIDUAL UNIT SQUARE FOOTAGE: | | | 0 | S.F. | | |
| INDIVIDUAL UNIT DESIGNATION: | | | | (MULT OCCUPANCY) | | |

| LOAD SOURCE | 1Φ KVA | 3Φ KVA | OR | 1Φ KW | 3Φ KW |
|---|---|---|---|---|---|
| BUILDING LIGHTING | 5.3 | | | | |
| ELECTRIC WATER HEATING | 5.0 | | | | |
| HEAT PUMPS | 18.0 | | | | |
| SUPPLEMENTAL HEAT SYSTEMS | 14.4 | | | | |
| AIR COND CONDENSING UNITS | | | | | |
| ELEC HEATING (PRIMARY) AHU'S | | | | | |
| COOKING | 1.5 | | | | |
| REFRIGERATION | 1.5 | | | | |
| RECEPTACLES (STANDARD) | 26.0 | | | | |
| RECEPTACLES (COMPUTER) | | | | | |
| TOTAL MOTORS (EXCLUDE HVAC) | | | | | |
| EXTERIOR LIGHTING | 2.6 | | | | |
| MISCELLANEOUS - CEILING FANS | | | | | |
| OTHER | 5.0 | | | | |
| TOTAL CONNECTED LOAD | 79.3 | 0.0 | | 0.0 | 0.0 |




7 SITE POWER PLAN
SCALE: NONE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LOUISIANA & MISSISSIPPI
Chief Engineer: Brian Mistich, PE
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| # | DESCRIPTION | DATE |
|---|---|---|

REVISIONS

SEAL:

Missing or invalid ref
File: P:\Stamps\Brian
Sheet: 1

NEW OFFICE AND APARTMENT
RAWLIN CARTER
1720 W 21ST AVENUE
COVINGTON, LA. 70433

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| JOB No: | 2026 | DATE: | 03-26-2026 |
|---|---|---|---|
| DRAWN BY: | CKD | CHECKED BY: | BAM |

SHEET TITLE:
ELECTRICAL PANELS,RISER DIAGRAM, SITE POWER PLAN

DRAWING NUMBER:
# E105