



**DAMMON**  
ENGINEERING, INC.

CHIEF ENGINEER  
ENNETT  
DAMMON, P.E.

CHIEF ARCHITECT  
ROBERT  
WILTSE

1095 FLORIDA AVENUE  
SUITE L, LA. 70456  
OFFICE: 985-649-5832  
FAX: 985-641-5950

WWW.DAMMONENGINEERING.COM

WEBSITE:

EMAIL:

DAMMON@BRIOLLOU.NET

NEW  
APARTMENT  
COMPLEX

CROSSWINDS  
APARTMENTS  
HAMMOND, LA

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

PANEL EP  
LOCATION: BLDG UNIT 24 - MAINTENANCE RM. 24  
FEEDER SOURCE: ENTRY

| NO.                       | TYPE | LOCATION | BRKDR (VA) | AMP (VA) | PHASE  | LOAD DESCRIPTION | LOCATION | TYPE  | NO. |
|---------------------------|------|----------|------------|----------|--------|------------------|----------|-------|-----|
| 1                         | #1   | 4 1/2 W  | 50         | 2        | 400    | 2                | 50       | MAINT | #1  |
| 2                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #2  |
| 3                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #3  |
| 4                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #4  |
| 5                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #5  |
| 6                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #6  |
| 7                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #7  |
| 8                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #8  |
| 9                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #9  |
| 10                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #10 |
| 11                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #11 |
| 12                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #12 |
| 13                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #13 |
| 14                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #14 |
| 15                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #15 |
| 16                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #16 |
| 17                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #17 |
| 18                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #18 |
| 19                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #19 |
| 20                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #20 |
| 21                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #21 |
| 22                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #22 |
| 23                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #23 |
| 24                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #24 |
| TOTAL CONNECTED LOAD (VA) |      |          | 44,200     | 2        | 44,200 | 2                | 44,200   | MAINT | #24 |

PANEL EL  
LOCATION: BLDG UNIT 24 - MAINTENANCE RM. 24  
FEEDER SOURCE: ENTRY

| NO.                       | TYPE | LOCATION | BRKDR (VA) | AMP (VA) | PHASE  | LOAD DESCRIPTION | LOCATION | TYPE  | NO. |
|---------------------------|------|----------|------------|----------|--------|------------------|----------|-------|-----|
| 1                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #1  |
| 2                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #2  |
| 3                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #3  |
| 4                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #4  |
| 5                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #5  |
| 6                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #6  |
| 7                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #7  |
| 8                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #8  |
| 9                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #9  |
| 10                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #10 |
| 11                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #11 |
| 12                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #12 |
| 13                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #13 |
| 14                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #14 |
| 15                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #15 |
| 16                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #16 |
| 17                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #17 |
| 18                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #18 |
| 19                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #19 |
| 20                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #20 |
| 21                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #21 |
| 22                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #22 |
| 23                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #23 |
| 24                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #24 |
| TOTAL CONNECTED LOAD (VA) |      |          | 44,200     | 2        | 44,200 | 2                | 44,200   | MAINT | #24 |

PANEL F  
LOCATION: BLDG UNIT 24 - MAINTENANCE RM. 24  
FEEDER SOURCE: ENTRY

| NO.                       | TYPE | LOCATION | BRKDR (VA) | AMP (VA) | PHASE  | LOAD DESCRIPTION | LOCATION | TYPE  | NO. |
|---------------------------|------|----------|------------|----------|--------|------------------|----------|-------|-----|
| 1                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #1  |
| 2                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #2  |
| 3                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #3  |
| 4                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #4  |
| 5                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #5  |
| 6                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #6  |
| 7                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #7  |
| 8                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #8  |
| 9                         | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #9  |
| 10                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #10 |
| 11                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #11 |
| 12                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #12 |
| 13                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #13 |
| 14                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #14 |
| 15                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #15 |
| 16                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #16 |
| 17                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #17 |
| 18                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #18 |
| 19                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #19 |
| 20                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #20 |
| 21                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #21 |
| 22                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #22 |
| 23                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #23 |
| 24                        | #1   | 4 1/2 W  | 400        | 2        | 400    | 2                | 400      | MAINT | #24 |
| TOTAL CONNECTED LOAD (VA) |      |          | 44,200     | 2        | 44,200 | 2                | 44,200   | MAINT | #24 |

ENTRKY - Electrical Load Summary

Project Name: Crosswinds Apartments  
Project Address: Hammond, Louisiana  
City/Town: Hammond, Louisiana  
Requested Service: 120/240 Vols  
Service Entrance Size: 225 Amps  
HVAC Tonnage: 425 Tons (Single 1)  
Largest Motor: 1/2 HP (Note: Motors above 20 hp may require reduced voltage starting and are more recommended for use with 120/240V, 3 Ø, 4W services.)  
Individual Unit Designation: Multiple Occupancy

| LOAD SOURCE                         | 1 Ø - VVA 5Ø - VVA or 1 Ø - LV 3Ø - LV | 1 Ø - VVA 5Ø - VVA or 1 Ø - LV 3Ø - LV |
|-------------------------------------|--|--|
| Building Lighting                   | 4,287                                  | 4,287                                  |
| Electric Water Heating              | 7,200                                  | 7,200                                  |
| Heat Pumps                          | -                                      | -                                      |
| Supplemental Heat System            | -                                      | -                                      |
| Air-Conditioning/Conditioning Units | 40,000                                 | 40,000                                 |
| Electrical Heating (Primary) - AHUs | -                                      | -                                      |
| Cooling                             | -                                      | -                                      |
| Refrigeration (Secondary)           | 6,280                                  | 6,280                                  |
| Refrigeration (Primary)             | -                                      | -                                      |
| Total Motors (Exclude HVAC)         | 1,260                                  | 1,260                                  |
| Paneling Lgt./Recessed Lighting     | 192                                    | 192                                    |
| Miscellaneous - Junction Boxes      | -                                      | -                                      |
| Other (Specify)                     | -                                      | -                                      |

ENTRKY - Electrical Load Summary

Project Name: Crosswinds Apartments  
Project Address: Hammond, Louisiana  
City/Town: Hammond, Louisiana  
Requested Service: 120/240 Vols  
Service Entrance Size: 225 Amps  
HVAC Tonnage: 425 Tons (Single 1)  
Largest Motor: 1/2 HP (Note: Motors above 20 hp may require reduced voltage starting and are more recommended for use with 120/240V, 3 Ø, 4W services.)  
Individual Unit Designation: Multiple Occupancy

| LOAD SOURCE                         | 1 Ø - VVA 5Ø - VVA or 1 Ø - LV 3Ø - LV | 1 Ø - VVA 5Ø - VVA or 1 Ø - LV 3Ø - LV |
|-------------------------------------|--|--|
| Building Lighting                   | 4,287                                  | 4,287                                  |
| Electric Water Heating              | 7,200                                  | 7,200                                  |
| Heat Pumps                          | -                                      | -                                      |
| Supplemental Heat System            | -                                      | -                                      |
| Air-Conditioning/Conditioning Units | 40,000                                 | 40,000                                 |
| Electrical Heating (Primary) - AHUs | -                                      | -                                      |
| Cooling                             | -                                      | -                                      |
| Refrigeration (Secondary)           | 6,280                                  | 6,280                                  |
| Refrigeration (Primary)             | -                                      | -                                      |
| Total Motors (Exclude HVAC)         | 1,260                                  | 1,260                                  |
| Paneling Lgt./Recessed Lighting     | 192                                    | 192                                    |
| Miscellaneous - Junction Boxes      | -                                      | -                                      |
| Other (Specify)                     | -                                      | -                                      |

ENTRKY - Electrical Load Summary

Project Name: Crosswinds Apartments  
Project Address: Hammond, Louisiana  
City/Town: Hammond, Louisiana  
Requested Service: 120/240 Vols  
Service Entrance Size: 225 Amps  
HVAC Tonnage: 425 Tons (Single 1)  
Largest Motor: 1/2 HP (Note: Motors above 20 hp may require reduced voltage starting and are more recommended for use with 120/240V, 3 Ø, 4W services.)  
Individual Unit Designation: Multiple Occupancy

| LOAD SOURCE                         | 1 Ø - VVA 5Ø - VVA or 1 Ø - LV 3Ø - LV | 1 Ø - VVA 5Ø - VVA or 1 Ø - LV 3Ø - LV |
|-------------------------------------|--|--|
| Building Lighting                   | 4,287                                  | 4,287                                  |
| Electric Water Heating              | 7,200                                  | 7,200                                  |
| Heat Pumps                          | -                                      | -                                      |
| Supplemental Heat System            | -                                      | -                                      |
| Air-Conditioning/Conditioning Units | 40,000                                 | 40,000                                 |
| Electrical Heating (Primary) - AHUs | -                                      | -                                      |
| Cooling                             | -                                      | -                                      |
| Refrigeration (Secondary)           | 6,280                                  | 6,280                                  |
| Refrigeration (Primary)             | -                                      | -                                      |
| Total Motors (Exclude HVAC)         | 1,260                                  | 1,260                                  |
| Paneling Lgt./Recessed Lighting     | 192                                    | 192                                    |
| Miscellaneous - Junction Boxes      | -                                      | -                                      |
| Other (Specify)                     | -                                      | -                                      |

PANEL A  
LOCATION: BLDG UNIT 14 - BEDROOM  
FEEDER SOURCE: ENTRY

| NO.                       | TYPE | LOCATION | BRKDR (VA) | AMP (VA) | PHASE  | LOAD DESCRIPTION | LOCATION | TYPE  | NO. |       |     |
|---------------------------|------|----------|------------|----------|--------|------------------|----------|-------|-----|-------|-----|
| 1                         | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #1  |
| 2                         | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #2  |
| 3                         | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #3  |
| 4                         | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #4  |
| 5                         | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #5  |
| 6                         | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #6  |
| 7                         | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #7  |
| 8                         | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #8  |
| 9                         | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #9  |
| 10                        | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #10 |
| 11                        | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #11 |
| 12                        | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #12 |
| 13                        | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #13 |
| 14                        | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #14 |
| 15                        | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #15 |
| 16                        | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #16 |
| 17                        | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #17 |
| 18                        | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #18 |
| 19                        | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #19 |
| 20                        | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #20 |
| 21                        | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #21 |
| 22                        | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #22 |
| 23                        | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #23 |
| 24                        | #1   | 2 1/2 W  | 1725       | 2        | 1725   | 2                | 500      | 2     | 50  | MAINT | #24 |
| TOTAL CONNECTED LOAD (VA) |      |          | 41,400     | 2        | 41,400 | 2                | 41,400   | MAINT | #24 |       |     |

PANEL B  
LOCATION: BLDG UNIT 18 - UTILITY ROOM  
FEEDER SOURCE: ENTRY

| NO. | TYPE | LOCATION | BRKDR (VA) | AMP (VA) | PHASE | LOAD DESCRIPTION | LOCATION | TYPE | NO. |       |     |
|-----|------|----------|------------|----------|-------|------------------|----------|------|-----|-------|-----|
| 1   | #1   | 2 1/2 W  | 1725       | 2        | 1725  | 2                | 500      | 2    | 50  | MAINT | #1  |
| 2   | #1   | 2 1/2 W  | 1725       | 2        | 1725  | 2                | 500      | 2    | 50  | MAINT | #2  |
| 3   | #1   | 2 1/2 W  | 1725       | 2        | 1725  | 2                | 500      | 2    | 50  | MAINT | #3  |
| 4   | #1   | 2 1/2 W  | 1725       | 2        | 1725  | 2                | 500      | 2    | 50  | MAINT | #4  |
| 5   | #1   | 2 1/2 W  | 1725       | 2        | 1725  | 2                | 500      | 2    | 50  | MAINT | #5  |
| 6   | #1   | 2 1/2 W  | 1725       | 2        | 1725  | 2                | 500      | 2    | 50  | MAINT | #6  |
| 7   | #1   | 2 1/2 W  | 1725       | 2        | 1725  | 2                | 500      | 2    | 50  | MAINT | #7  |
| 8   | #1   | 2 1/2 W  | 1725       | 2        | 1725  | 2                | 500      | 2    | 50  | MAINT | #8  |
| 9   | #1   | 2 1/2 W  | 1725       | 2        | 1725  | 2                | 500      | 2    | 50  | MAINT | #9  |
| 10  | #1   | 2 1/2 W  | 1725       | 2        | 1725  | 2                | 500      | 2    | 50  | MAINT | #10 |
| 11  | #1   | 2 1/2 W  |            |          |       |                  |          |      |     |       |     |