

Drawing File: W:\2013\15123-VA Shreveport 3rd and 4th Floors Drawings\5123 E001 E601 601-3.dwg  
Plotted by: ignleland  
Plotted Date: Apr 20, 2015 - 9:57am

one-eighth inch = one foot  
one-quarter inch = one foot  
three-eighths inch = one foot  
one-half inch = one foot  
three-quarters inch = one foot  
one inch = one foot  
one and one-half inches = one foot  
three inches = one foot

| PANEL <u>EXL</u>               |      |            |         |             |     |    |       |     |    | TYPE <u>SURFACE (NEMA 3R)</u> |     |                 |         |            |      |      |
|--------------------------------|------|------------|---------|-------------|-----|----|-------|-----|----|-------------------------------|-----|-----------------|---------|------------|------|------|
| VOLTAGE <u>120/208, 3Ø, 4w</u> |      |            |         |             |     |    |       |     |    | MAINS <u>100A M.L.O.</u>      |     |                 |         |            |      |      |
| POLE                           | TRIP | CONDUCTOR  | CONDUIT | DESIGNATION | KVA | NO | PHASE |     |    | NO                            | KVA | DESIGNATION     | CONDUIT | CONDUCTOR  | TRIP | POLE |
|                                |      |            |         |             |     |    | ØA    | ØB  | ØC |                               |     |                 |         |            |      |      |
| 1                              | 20   | 2#12, #12G | 1/2"    | CHILLER     | 1.0 | 1  | 2.0   |     |    | 2                             | 1.0 | JACKET HEATER   | 1/2"    | 2#12, #12G | 20   | 1    |
| 1                              | 20   | 2#12, #12G | 1/2"    | HEAT TAPE   | 1.0 | 3  | 2.0   |     |    | 4                             | 1.0 | BATTERY CHARGER | 1/2"    | 2#12, #12G | 20   | 1    |
| -                              | -    | -          | -       | SPACE       | -   | 5  |       |     |    | 6                             | -   | SPARE           | -       | -          | 20   | 1    |
| -                              | -    | -          | -       | SPACE       | -   | 7  |       |     |    | 8                             | -   | SPARE           | -       | -          | 20   | 1    |
| -                              | -    | -          | -       | SPACE       | -   | 9  |       |     |    | 10                            | -   | SPARE           | -       | -          | 20   | 1    |
| -                              | -    | -          | -       | SPACE       | -   | 11 |       |     |    | 12                            | -   | SPARE           | -       | -          | 20   | 1    |
| TOTAL:                         |      |            |         |             |     |    | 2.0   | 2.0 | -  | MINIMUM 10,000 AIC RATING     |     |                 |         |            |      |      |

| * DEDICATED MRI<br>PANELBOARD |      |            |         |                |      | PANEL <u>OAH</u>               |       |      |      | TYPE <u>SURFACE</u>    |     |             |         |           |      |      |
|-------------------------------|------|------------|---------|----------------|------|--------------------------------|-------|------|------|------------------------|-----|-------------|---------|-----------|------|------|
|                               |      |            |         |                |      | VOLTAGE <u>277/480, 3Ø, 4w</u> |       |      |      | MAINS <u>150A M.B.</u> |     |             |         |           |      |      |
| POLE                          | TRIP | CONDUCTOR  | CONDUIT | DESIGNATION    | KVA  | NO                             | PHASE |      |      | NO                     | KVA | DESIGNATION | CONDUIT | CONDUCTOR | TRIP | POLE |
|                               |      |            |         |                |      |                                | ØA    | ØB   | ØC   |                        |     |             |         |           |      |      |
| 3                             | 100  | 3#2, #8G   | 1-1/4"  | RFIP CABINET   | 22.2 | 1                              | 24.2  |      |      | 2                      | 2.0 | XOHL        | 1"      | 3#8, #10G | 40   | 3    |
|                               |      |            |         |                | 22.2 | 3                              |       | 23.0 |      | 4                      | 0.8 |             |         |           |      |      |
|                               |      |            |         |                | 22.2 | 5                              |       |      | 23.0 | 6                      | 0.8 |             |         |           |      |      |
| 3                             | 15   | 3#12, #12G | 1/2"    | HEAT EXCHANGER | 0.9  | 7                              | 0.9   |      |      | 8                      | -   | SPACE       | -       | -         | -    | -    |
|                               |      |            |         |                | 0.9  | 9                              |       | 0.9  |      | 10                     | -   | SPACE       | -       | -         | -    | -    |
|                               |      |            |         |                | 0.9  | 11                             |       |      | 0.9  | 12                     | -   | SPACE       | -       | -         | -    | -    |
| 3                             | 30   | 3#10, #10G | 3/4"    | RAMP-UP OUTLET | 6.7  | 13                             | 6.7   |      |      | 14                     | -   | SPACE       | -       | -         | -    | -    |
|                               |      |            |         |                | 6.7  | 15                             |       | 6.7  |      | 16                     | -   | SPACE       | -       | -         | -    | -    |
|                               |      |            |         |                | 6.7  | 17                             |       |      | 6.7  | 18                     | -   | SPACE       | -       | -         | -    | -    |
| TOTAL:                        |      |            |         |                |      |                                | 31.8  | 30.6 | 30.6 |                        |     |             |         |           |      |      |

| * DEDICATED MRI<br>PANELBOARD |      |            |         |                |      | PANEL <u>OVH</u><br>VOLTAGE <u>277/480, 3Ø, 4w</u> |                       |      |      | TYPE <u>SURFACE</u><br>MAINS <u>150A M.B.</u> |     |             |         |           |      |      |
|-------------------------------|------|------------|---------|----------------|------|--|-----------------------|------|------|---|-----|-------------|---------|-----------|------|------|
| POLE                          | TRIP | CONDUCTOR  | CONDUIT | DESIGNATION    | KVA  | NO   | PHASE<br>ØA   ØB   ØC |      |      | NO  | KVA | DESIGNATION | CONDUIT | CONDUCTOR | TRIP | POLE |
| 3                             | 100  | 3#2, #8G   | 1-1/4"  | RFIP CABINET   | 22.2 | 1  | 24.2                  |      |      | 2   | 2.0 | XOAL        | 1"      | 3#8, #10G | 40   | 3    |
|                               |      |            |         |                | 22.2 | 3  |                       | 23.0 |      | 4   | 0.8 |             |         |           |      |      |
|                               |      |            |         |                | 22.2 | 5  |                       |      | 23.0 | 6   | 0.8 |             |         |           |      |      |
| 3                             | 15   | 3#12, #12G | 1/2"    | HEAT EXCHANGER | 0.9  | 7  | 0.9                   |      |      | 8   | -   | SPACE       | -       | -         | -    | -    |
|                               |      |            |         |                | 0.9  | 9  |                       | 0.9  |      | 10  | -   | SPACE       | -       | -         | -    | -    |
|                               |      |            |         |                | 0.9  | 11   |                       |      | 0.9  | 12  | -   | SPACE       | -       | -         | -    | -    |
| 3                             | 30   | 3#10, #10G | 3/4"    | RAMP-UP OUTLET | 6.7  | 13   | 6.7                   |      |      | 14  | -   | SPACE       | -       | -         | -    | -    |
|                               |      |            |         |                | 6.7  | 15   |                       | 6.7  |      | 16  | -   | SPACE       | -       | -         | -    | -    |
|                               |      |            |         |                | 6.7  | 17   |                       |      | 6.7  | 18  | -   | SPACE       | -       | -         | -    | -    |
| TOTAL:                        |      |            |         |                |      |  | 31.8                  | 30.6 | 30.6 |   |     |             |         |           |      |      |

| * DEDICATED MRI PANELBOARD |      |            |         |             |     | PANEL <u>OAL</u>               |       | TYPE <u>SURFACE</u>      |     |    |     |             |         |            |      |      |  |
|----------------------------|------|------------|---------|-------------|-----|--------------------------------|-------|--------------------------|-----|----|-----|-------------|---------|------------|------|------|--|
|                            |      |            |         |             |     | VOLTAGE <u>120/208, 3Ø, 4w</u> |       | MAINS <u>100A M.L.O.</u> |     |    |     |             |         |            |      |      |  |
| POLE                       | TRIP | CONDUCTOR  | CONDUIT | DESIGNATION | KVA | NO                             | PHASE |                          |     | NO | KVA | DESIGNATION | CONDUIT | CONDUCTOR  | TRIP | POLE |  |
|                            |      |            |         |             |     |                                | ØA    | ØB                       | ØC  |    |     |             |         |            |      |      |  |
| 1                          | 20   | 2#12, #12G | 1/2"    | LIGHTING    | 1.6 | 1                              | 2.0   |                          |     | 2  | 0.4 | RECEPTACLES | 1/2"    | 2#12, #12G | 20   | 1    |  |
| -                          | -    | -          | -       | SPACE       | -   | 3                              |       | 0.8                      |     | 4  | 0.8 | RECEPTACLES | 1/2"    | 2#12, #12G | 20   | 1    |  |
| -                          | -    | -          | -       | SPACE       | -   | 5                              |       |                          | 0.8 | 6  | 0.8 | RECEPTACLES | 1/2"    | 2#12, #12G | 20   | 1    |  |
| -                          | -    | -          | -       | SPACE       | -   | 7                              |       |                          |     | 8  | -   | SPARE       | -       | -          | 20   | 1    |  |
| -                          | -    | -          | -       | SPACE       | -   | 9                              |       |                          |     | 10 | -   | SPARE       | -       | -          | 20   | 1    |  |
| -                          | -    | -          | -       | SPACE       | -   | 11                             |       |                          |     | 12 | -   | SPARE       | -       | -          | 20   | 1    |  |
| -                          | -    | -          | -       | SPACE       | -   | 13                             |       |                          |     | 14 | -   | SPARE       | -       | -          | 20   | 1    |  |
| -                          | -    | -          | -       | SPACE       | -   | 15                             |       |                          |     | 16 | -   | SPARE       | -       | -          | 20   | 1    |  |
| -                          | -    | -          | -       | SPACE       | -   | 17                             |       |                          |     | 18 | -   | SPARE       | -       | -          | 20   | 1    |  |
| TOTAL:                     |      |            |         |             |     |                                | 2.0   | 0.8                      | 0.8 |    |     |             |         |            |      |      |  |

| * DEDICATED MRI PANELBOARD |      |            |         |             |     | PANEL <u>OVL</u>               |       | TYPE <u>SURFACE</u>      |     |    |     |             |         |            |      |      |
|----------------------------|------|------------|---------|-------------|-----|--------------------------------|-------|--------------------------|-----|----|-----|-------------|---------|------------|------|------|
|                            |      |            |         |             |     | VOLTAGE <u>120/208, 3Ø, 4w</u> |       | MAINS <u>100A M.L.O.</u> |     |    |     |             |         |            |      |      |
| POLE                       | TRIP | CONDUCTOR  | CONDUIT | DESIGNATION | KVA | NO                             | PHASE |                          |     | NO | KVA | DESIGNATION | CONDUIT | CONDUCTOR  | TRIP | POLE |
|                            |      |            |         |             |     |                                | ØA    | ØB                       | ØC  |    |     |             |         |            |      |      |
| 1                          | 20   | 2#12, #12G | 1/2"    | LIGHTING    | 1.6 | 1                              | 2.0   |                          |     | 2  | 0.4 | RECEPTACLES | 1/2"    | 2#12, #12G | 20   | 1    |
| -                          | -    | -          | -       | SPACE       | -   | 3                              |       | 0.8                      |     | 4  | 0.8 | RECEPTACLES | 1/2"    | 2#12, #12G | 20   | 1    |
| -                          | -    | -          | -       | SPACE       | -   | 5                              |       |                          | 0.8 | 6  | 0.8 | RECEPTACLES | 1/2"    | 2#12, #12G | 20   | 1    |
| -                          | -    | -          | -       | SPACE       | -   | 7                              | -     |                          |     | 8  | -   | SPARE       | -       | -          | 20   | 1    |
| -                          | -    | -          | -       | SPACE       | -   | 9                              |       |                          |     | 10 | -   | SPARE       | -       | -          | 20   | 1    |
| -                          | -    | -          | -       | SPACE       | -   | 11                             |       |                          |     | 12 | -   | SPARE       | -       | -          | 20   | 1    |
| -                          | -    | -          | -       | SPACE       | -   | 13                             | -     |                          |     | 14 | -   | SPARE       | -       | -          | 20   | 1    |
| -                          | -    | -          | -       | SPACE       | -   | 15                             |       |                          |     | 16 | -   | SPARE       | -       | -          | 20   | 1    |
| -                          | -    | -          | -       | SPACE       | -   | 17                             |       |                          |     | 18 | -   | SPARE       | -       | -          | 20   | 1    |
| TOTAL:                     |      |            |         |             |     |                                | 2.0   | 0.8                      | 0.8 |    |     |             |         |            |      |      |

| PANEL <u>PLP1 (EXISTING)</u>    |      |            |         |                     |     |     |                  |                              |    | TYPE <u>SURFACE</u>   |             |         |            |      |      |  |
|---------------------------------|------|------------|---------|---------------------|-----|-----|------------------|------------------------------|----|-----------------------|-------------|---------|------------|------|------|--|
| VOLTAGE <u>120/208V, 1Ø, 3W</u> |      |            |         |                     |     |     |                  |                              |    | MAINS <u>60A M.B.</u> |             |         |            |      |      |  |
| POLE                            | TRIP | CONDUCTOR  | CONDUIT | DESIGNATION         | KVA | NO  | PHASE<br>ØA   ØB |                              | NO | KVA                   | DESIGNATION | CONDUIT | CONDUCTOR  | TRIP | POLE |  |
| 1                               | 20   | 2#12, #12G | 1/2"    | ELEVATOR 120V POWER | 1.0 | 1   | 1.1              |                              | 2  | 0.1                   | DAMPER      | 1/2"    | 2#12, #12G | 20   | 1    |  |
| 1                               | 20   | 2#12, #12G | 1/2"    | ELEVATOR 120V POWER | 1.0 | 3   |                  | 1.0                          | 4  | -                     | SPACE       | -       | -          | -    | -    |  |
| 1                               | 20   | -          | -       | SPARE               | -   | 5   |                  |                              | 6  | -                     | SPACE       | -       | -          | -    | -    |  |
| 1                               | 20   | -          | -       | SPARE               | -   | 7   |                  |                              | 8  | -                     | SPACE       | -       | -          | -    | -    |  |
| 1                               | 20   | -          | -       | SPARE               | -   | 9   |                  |                              | 10 | -                     | SPACE       | -       | -          | -    | -    |  |
| -                               | -    | -          | -       | SPARE               | -   | 11  |                  |                              | 12 | -                     | SPACE       | -       | -          | -    | -    |  |
| TOTAL:                          |      |            |         |                     |     | 1.1 | 1.0              | MINIMUM 10,000 A.I.C. RATING |    |                       |             |         |            |      |      |  |

| PANEL <u>REXH</u>              |      |            |         |              |      |      |       |      |                           |    | TYPE <u>SURFACE</u>    |                   |         |            |      |      |
|--------------------------------|------|------------|---------|--------------|------|------|-------|------|---------------------------|----|------------------------|-------------------|---------|------------|------|------|
| VOLTAGE <u>277/480, 3Ø, 4w</u> |      |            |         |              |      |      |       |      |                           |    | MAINS <u>225A M.B.</u> |                   |         |            |      |      |
| POLE                           | TRIP | CONDUCTOR  | CONDUIT | DESIGNATION  | KVA  | NO   | PHASE |      |                           | NO | KVA                    | DESIGNATION       | CONDUIT | CONDUCTOR  | TRIP | POLE |
|                                |      |            |         |              |      |      | ØA    | ØB   | ØC                        |    |                        |                   |         |            |      |      |
| 3                              | 110  | 3#1, #6G   | 1-1/2"  | AH-1-4-SRF-1 | 22.2 | 1    | 40.2  |      |                           | 2  | 18.0                   | EF-1-4SRF-8/9     | 2"      | 3#1/0, #6G | 120  | 3    |
|                                |      |            |         |              | 22.2 | 3    |       | 40.2 |                           | 4  | 18.0                   |                   |         |            |      |      |
|                                |      |            |         |              | 22.2 | 5    |       |      | 40.2                      | 6  | 18.0                   |                   |         |            |      |      |
| 3                              | 20   | 3#12, #12G | 1/2"    | HWP-03       | 2.1  | 7    | 2.1   |      |                           | 8  | -                      | SPARE             | -       | -          | 20   | 1    |
|                                |      |            |         |              | 2.1  | 9    |       | 2.1  |                           | 10 | -                      | SPARE             | -       | -          | 20   | 1    |
|                                |      |            |         |              | 2.1  | 11   |       |      | 2.1                       | 12 | -                      | SPARE             | -       | -          | 20   | 1    |
| 3                              | 20   | 3#12, #12G | 1/2"    | HWP-04       | 2.1  | 13   | 2.1   |      |                           | 14 | -                      | SPARE             | -       | -          | 20   | 1    |
|                                |      |            |         |              | 2.1  | 15   |       | 2.1  |                           | 16 | -                      | SPARE             | -       | -          | 20   | 1    |
|                                |      |            |         |              | 2.1  | 17   |       |      | 2.1                       | 18 | -                      | SPARE             | -       | -          | 20   | 1    |
| -                              | -    | -          | -       | SPACE        | -    | 19   | -     | -    | -                         | 20 | -                      | SPACE             | -       | -          | -    | -    |
| -                              | -    | -          | -       | SPACE        | -    | 21   | -     | -    | -                         | 22 | -                      | SPACE             | -       | -          | -    | -    |
| -                              | -    | -          | -       | SPACE        | -    | 23   | -     | -    | -                         | 24 | -                      | SPACE             | -       | -          | -    | -    |
| -                              | -    | -          | -       | SPACE        | -    | 25   | 4.2   |      |                           | 26 | 4.2                    | TRANSFORMER XREXL | 1"      | 3#6, #10G  | 45   | 3    |
| -                              | -    | -          | -       | SPACE        | -    | 27   |       | 4.2  |                           | 28 | 4.2                    |                   |         |            |      |      |
| -                              | -    | -          | -       | SPACE        | -    | 29   |       |      | 4.4                       | 30 | 4.4                    |                   |         |            |      |      |
| TOTAL:                         |      |            |         |              |      | 48.6 | 48.6  | 50.8 | MINIMUM 18,000 AIC RATING |    |                        |                   |         |            |      |      |