

| PANEL DESIGNATION:           |                  |    | 505H   | VOLT: 277/480 |     | AMP: 225  |    |                              |                 |          |   |    |                  |                           |  |
|------------------------------|------------------|----|--------|---------------|-----|-----------|----|------------------------------|-----------------|----------|---|----|------------------|---------------------------|--|
| ROOM:                        |                  |    | 5S16   | PHASES: 3     |     | MAIN: MLO |    |                              |                 |          |   |    |                  |                           |  |
| ELECTRICAL SYSTEM:           |                  |    | NORMAL | WIRES: 4      |     | A/C: 10K  |    |                              |                 |          |   |    |                  |                           |  |
| CKT                          | LOAD DESCRIPTION | AT | P      | CA            | DF  | DA        | PH | DA                           | DF              | CA       | P | AT | LOAD DESCRIPTION | CKT                       |  |
| 1                            | SPARE            | 20 | 1      | 0             | 1.0 | 0.0       | A  | 0.0                          | 1.0             | 0        | 1 | 20 | SPARE            | 2                         |  |
| 3                            | SPARE            | 20 | 1      | 0             | 1.0 | 0.0       | B  | 0.0                          | 1.0             | 0        | 1 | 20 | SPARE            | 4                         |  |
| 5                            | SPARE            | 20 | 1      | 0             | 1.0 | 0.0       | C  | 0.0                          | 1.0             | 0        | 1 | 20 | SPARE            | 6                         |  |
| 7                            | LTG. 5S67A       | 20 | 1      | 7             | 0.7 | 4.9       | A  | 0.0                          | 1.0             | 0        | 1 | 20 | SPARE            | 8                         |  |
| 9                            | LTG. 5S67A       | 20 | 1      | 7             | 0.7 | 4.9       | B  | 0.0                          | 1.0             | 0        | 1 | 20 | SPARE            | 10                        |  |
| 11                           | SPARE            | 20 | 1      | 0             | 1.0 | 0.0       | C  | 0.0                          | 1.0             | 0        | 1 | 20 | SPARE            | 12                        |  |
| 13                           | SPARE            | 20 | 1      | 0             | 1.0 | 0.0       | A  | 0.0                          | 1.0             | 0        | 1 | 20 | SPARE            | 14                        |  |
| 15                           | SPACE ONLY       |    |        | 0             | 1.0 | 0.0       | B  | 0.0                          | 1.0             | 0        | 1 | 20 | SPARE            | 16                        |  |
| 17                           | SPACE ONLY       |    |        | 0             | 1.0 | 0.0       | C  | 0.0                          | 1.0             | 0        | 1 | 20 | SPACE ONLY       | 18                        |  |
| 19                           | SPACE ONLY       |    |        | 0             | 1.0 | 0.0       | A  | 0.0                          | 1.0             | 0        | 1 | 20 | SPACE ONLY       |                           |  |
| AT – AMP TRIP                |                  |    |        |               |     |           |    | TOTAL AMPS/PH –              | CONNECTED LOAD: | 4.7      |   |    |                  | NOTES:                    |  |
| P – POLES                    |                  |    |        |               |     |           |    | DEMAND FACTOR:               |                 | 0.7      |   |    |                  | THIN SOLID TEXT INDICATES |  |
| A – AMPS                     |                  |    |        |               |     |           |    | TOTAL AMPS/PH –              |                 | 3.3      |   |    |                  | EXISTING LOADS TO REMAIN  |  |
| CA – CONNECTED AMPERES       |                  |    |        |               |     |           |    | CONNECTED KVA:               |                 | 1.1      |   |    |                  | AND THICK SOLID TEXT      |  |
| DF – DEMAND FACTOR ( 1 – .1) |                  |    |        |               |     |           |    | DEMAND KVA:                  |                 | 0.8      |   |    |                  | INDICATE NEW LOADS.       |  |
| DA – DEMAND AMPERES          |                  |    |        |               |     |           |    | PANEL SIZE (DEMAND X 1.25) – |                 | AMPERES: |   |    |                  | 4.1                       |  |
| PH – PHASE                   |                  |    |        |               |     |           |    |                              |                 |          |   |    |                  |                           |  |

| PANEL DESIGNATION:           |  |    | L4                                       | VOLT: 120/208 |     |     | AMP: 60  |     |     |    |   |  |
|------------------------------|--|----|--|---------------|-----|-----|----------|-----|-----|----|---|--|
| ROOM:                        |  |    | 4N01                                     | PHASES: 3     |     |     | MAIN: 60 |     |     |    |   |  |
| ELECTRICAL SYSTEM:           |  |    | LIFE SAFETY                              | WIRES: 4      |     |     | A/C:     |     |     |    |   |  |
| CKT                          | LOAD DESCRIPTION                           | AT | P  | CA            | DF  | DA  | PH       | DA  | DF  | CA | P | AT   |
| 1                            | LTG. EXIT LIGHTS 3RD FL.                   | 20 | 1  | 3             | 0.7 | 2.1 | A        | 4.9 | 0.7 | 7  | 1 | 20   |
| 3                            | LTG. HALL LIGHTS 3RD FL.                   | 20 | 1  | 7             | 0.7 | 4.9 | B        | 4.9 | 0.7 | 7  | 1 | 20   |
| 5                            | LTG. EMER. 3RD FLOOR                       | 20 | 1  | 7             | 0.7 | 4.9 | C        | 4.9 | 0.7 | 7  | 1 | 20   |
| 7                            | LTG. HALL LIGHTS 5TH FL., STH WANDER ALERT | 20 | 1  | 7             | 0.7 | 4.9 | A        | 2.8 | 0.7 | 4  | 1 | 20   |
| 9                            | SPARE                                      | 20 | 1  | 0             | 1.0 | 0.0 | B        | 0.0 | 1.0 | 0  | 1 | 20   |
| 11                           | SPARE                                      | 20 | 1  | 0             | 1.0 | 0.0 | C        | 0.0 | 1.0 | 0  | 1 | 20   |
| 13                           | SPARE                                      | 20 | 1  | 0             | 1.0 | 0.0 | A        | 0.0 | 1.0 | 0  | 1 | 20   |
| 15                           | LTG. EXIT LIGHTS SICU HALL                 | 20 | 1  | 3             | 0.7 | 2.1 | B        | 0.0 | 1.0 | 0  | 1 | 20   |
| 17                           | SPARE                                      | 20 | 1  | 0             | 1.0 | 0.0 | C        | 0.0 | 1.0 | 0  | 1 | 20   |
| 19                           | SPARE                                      | 20 | 1  | 0             | 1.0 | 0.0 | A        | 0.0 | 1.0 | 0  | 1 | 20   |
| 19                           | SPARE                                      | 20 | 1  | 0             | 1.0 | 0.0 | A        | 0.0 | 1.0 | 0  | 1 | 20   |
| 21                           | SPARE                                      | 20 | 1  | 0             | 1.0 | 0.0 | B        | 0.0 | 1.0 | 0  | 1 | 20   |
| 23                           | SPARE                                      | 20 | 1  | 0             | 1.0 | 0.0 | C        | 0.0 | 1.0 | 0  | 1 | 20   |
| AT – AMP TRIP                |  |    | TOTAL AMPS/PH – DEMAND LOAD: 17          |               |     |     |          |     |     |    |   | NOTES:   |
| P – POLES                    |  |    | CONNECTED FACTOR: 0.70                   |               |     |     |          |     |     |    |   | THIN SOLID TEXT INDICATES EXISTING LOADS TO REMAIN AND |
| CA – CONNECTED AMPERES       |  |    | TOTAL AMPS/PH – DEMAND: 12               |               |     |     |          |     |     |    |   | THICK SOLID TEXT INDICATE NEW LOADS.                   |
| DF – DEMAND FACTOR ( 1 – .1) |  |    | CONNECTED KVA: 4                         |               |     |     |          |     |     |    |   |  |
| DA – DEMAND AMPERES          |  |    | DEMAND KVA: 3                            |               |     |     |          |     |     |    |   |  |
| PH – PHASE                   |  |    | PANEL SIZE (DEMAND X 1.25) – AMPERES: 15 |               |     |     |          |     |     |    |   |  |

| PANEL DESIGNATION:           |                                       | 505                                   | VOLT:   |    | 120/208 | AMP:  |    | 200  |     |    |     |      |                           |     |
|------------------------------|---------------------------------------|---------------------------------------|---------|----|---------|-------|----|------|-----|----|-----|------|---------------------------|-----|
| ROOM:                        |                                       | 5S16                                  | PHASES: |    | 3       | MAIN: |    | MCB  |     |    |     |      |                           |     |
| ELECTRICAL SYSTEM:           |                                       | NORMAL                                | WIRES:  |    | 4       | AIC:  |    | 22k  |     |    |     |      |                           |     |
| CKT                          | LOAD DESCRIPTION                      | AT                                    | P       | CA | DF      | DA    | PH | DA   | DF  | CA | P   | AT   | LOAD DESCRIPTION          | CKT |
| 1                            | DEAD ENDED SE CORNER THIS ROOM        | 20                                    | 1       | 7  | 0.7     | 4.9   | A  | 4.9  | 0.7 | 7  | 1   | 20   | SOUTH HEATER              | 2   |
| 3                            | DEAD ENDED SE CORNER THIS ROOM        | 20                                    | 1       | 7  | 0.7     | 4.9   | B  | 4.9  | 0.7 | 7  | 1   | 20   | SOUTH HEATER              | 4   |
| 5                            | DEAD ENDED SE CORNER THIS ROOM        | 20                                    | 1       | 7  | 0.7     | 4.9   | C  | 4.9  | 0.7 | 7  | 1   | 20   | SOUTH HEATER              | 6   |
| 7                            | JOHNSON CONTROL                       | 20                                    | 1       | 7  | 0.7     | 4.9   | A  | 0.0  | 1.0 | 0  | 1   | 20   | SPARE                     | 8   |
| 9                            | JOHNSON CONTROL                       | 20                                    | 1       | 7  | 0.7     | 4.9   | B  | 4.9  | 0.7 | 7  | 1   | 20   | DEAD ENDED 5S             | 10  |
| 11                           | CIRCULATION PUMP IN NEW DIALYSIS UNIT | 20                                    | 1       | 7  | 0.7     | 4.9   | C  | 0.0  | 1.0 | 0  | 1   | 20   | SPARE                     | 12  |
| 13                           | SPARE                                 | 20                                    | 1       | 0  | 1.0     | 0.0   | A  | 4.9  | 0.7 | 7  | 1   | 20   | 5S OUTLETS                | 14  |
| 15                           | SPARE                                 | 20                                    | 1       | 0  | 1.0     | 0.0   | B  | 4.9  | 0.7 | 7  | 1   | 20   | 5S OUTLETS                | 16  |
| 17                           | CONDENSATE PUMP                       | 20                                    | 1       | 7  | 0.7     | 4.9   | C  | 0.0  | 1.0 | 0  | 1   | 20   | SPARE                     | 18  |
| 19                           | PUMP DIALYSIS #1                      | 20                                    | 1       | 7  | 0.7     | 4.9   | A  | 0.0  | 1.0 | 0  | 1   | 20   | SPARE                     | 20  |
| 21                           | ---                                   | ---                                   | ---     | 7  | 0.7     | 4.9   | B  | 0.0  | 1.0 | 0  | 1   | 20   | SPARE                     | 22  |
| 23                           | ---                                   | ---                                   | ---     | 7  | 0.7     | 4.9   | C  | 0.0  | 1.0 | 0  | 1   | 20   | SPARE                     | 24  |
| 25                           | PUMP DIALYSIS #1                      | 20                                    | 1       | 7  | 0.7     | 4.9   | A  | 25.2 | 0.7 | 36 | 3   | 50   | "E"                       | 26  |
| 27                           | ---                                   | ---                                   | ---     | 7  | 0.7     | 4.9   | B  | 25.2 | 0.7 | 36 | --- | ---  | ---                       | 28  |
| 29                           | SPACE ONLY                            | ---                                   | ---     | 0  | 1.0     | 0.0   | C  | 25.2 | 0.7 | 36 | --- | ---  | ---                       | 30  |
| 31                           | SPACE ONLY                            | ---                                   | ---     | 0  | 1.0     | 0.0   | A  | 0.0  | 1.0 | 0  | --- | ---  | SPACE ONLY                | 32  |
| 33                           | SPACE ONLY                            | ---                                   | ---     | 0  | 1.0     | 0.0   | B  | 0.0  | 1.0 | 0  | --- | ---  | SPACE ONLY                | 34  |
| 35                           | SPACE ONLY                            | ---                                   | ---     | 0  | 1.0     | 0.0   | C  | 0.0  | 1.0 | 0  | --- | ---  | SPACE ONLY                | 36  |
| 37                           | SPACE ONLY                            | ---                                   | ---     | 0  | 1.0     | 0.0   | A  | 0.0  | 1.0 | 0  | --- | ---  | SPACE ONLY                | 38  |
| 39                           | SPACE ONLY                            | ---                                   | ---     | 0  | 1.0     | 0.0   | B  | 0.0  | 1.0 | 0  | --- | ---  | SPACE ONLY                | 40  |
| 41                           | SPACE ONLY                            | ---                                   | ---     | 0  | 1.0     | 0.0   | C  | 0.0  | 1.0 | 0  | --- | ---  | SPACE ONLY                | 42  |
| AT - AMP TRIP                |                                       | TOTAL AMPS/PH - CONNECTED LOAD:       |         |    |         |       |    |      |     |    |     | 78.0 | NOTES:                    |     |
| P - POLES                    |                                       | DEMAND FACTOR:                        |         |    |         |       |    |      |     |    |     | 0.7  | THIN SOLID TEXT INDICATES |     |
| A - AMPS                     |                                       | TOTAL AMPS/PH - DEMAND:               |         |    |         |       |    |      |     |    |     | 54.6 | THIN SOLID TEXT REMAIN    |     |
| CA - CONNECTED AMPERES       |                                       | CONNECTED KVA:                        |         |    |         |       |    |      |     |    |     | 18.7 | THICK SOLID TEXT          |     |
| DF - DEMAND FACTOR ( 1 - .1) |                                       | DEMAND KVA:                           |         |    |         |       |    |      |     |    |     | 13.1 | INDICATE NEW LOADS.       |     |
| DA - DEMAND AMPERES          |                                       | PANEL SIZE (DEMAND X 1.25) - AMPERES: |         |    |         |       |    |      |     |    |     | 68.3 |                           |     |
| PH - PHASE                   |                                       |                                       |         |    |         |       |    |      |     |    |     |      |                           |     |

| PANEL DESIGNATION: |                    | 405C     | VOLT: 120/208 |    | AMP: 225  |     |    |
|--------------------|--------------------|----------|---------------|----|-----------|-----|----|
| ROOM:              |                    | 4S13     | PHASES:       |    | MAIN: MLO |     |    |
| ELECTRICAL SYSTEM: |                    | CRITICAL | WIRES:        |    | AIC: 10K  |     |    |
| CKT                | LOAD DESCRIPTION   | AT       | P             | CA | DF        | DA  | PH |
| 1                  | LTG. ROOM 4S-76    | 20       | 1             | 7  | 0.7       | 4.9 | A  |
| 2                  | LTG. ROOM 4S-76    | 20       | 1             | 7  | 0.7       | 4.9 | B  |
| 3                  | LTG. ROOM 4S-76    | 20       | 1             | 7  | 0.7       | 4.9 | B  |
| 4                  | LTG. ROOM 4S-82    | 20       | 1             | 7  | 0.7       | 4.9 | C  |
| 5                  | LTG. ROOM 4S-05A   | 20       | 1             | 7  | 0.7       | 4.9 | A  |
| 6                  | LTG. ROOM 4S-05A   | 20       | 1             | 7  | 0.7       | 4.9 | A  |
| 7                  | LTG. ROOM 4E-46    | 20       | 1             | 7  | 0.7       | 4.9 | B  |
| 8                  | LTG. ROOM 4E-46    | 20       | 1             | 7  | 0.7       | 4.9 | C  |
| 9                  | LTG. ROOM 4S-46    | 20       | 1             | 7  | 0.7       | 4.9 | C  |
| 10                 | LTG. ROOM 4S-46    | 20       | 1             | 7  | 0.7       | 4.9 | C  |
| 11                 | LTG. ROOM 4S-46    | 20       | 1             | 7  | 0.7       | 4.9 | C  |
| 12                 | LTG. ROOM 4S-51    | 20       | 1             | 7  | 0.7       | 4.9 | A  |
| 13                 | LTG. ROOM 4S-51    | 20       | 1             | 7  | 0.7       | 4.9 | A  |
| 14                 | LTG. ROOM 4S-51    | 20       | 1             | 7  | 0.7       | 4.9 | A  |
| 15                 | 4E-46 UG2 FEED C-7 | 20       | 1             | 7  | 0.7       | 4.9 | B  |
| 16                 | 4E-46 UG2 FEED C-7 | 20       | 1             | 7  | 0.7       | 4.9 | C  |
| 17                 | 4E-46 UG2 FEED C-7 | 20       | 1             | 7  | 0.7       | 4.9 | C  |
| 18                 | 4E-46 UG2 FEED C-1 | 20       | 1             | 7  | 0.7       | 4.9 | A  |
| 19                 | 4E-46 UG2 FEED C-1 | 20       | 1             | 7  | 0.7       | 4.9 | A  |
| 20                 | 4E-46 UG2 FEED C-1 | 20       | 1             | 7  | 0.7       | 4.9 | B  |
| 21                 | 4E-46 UG2 FEED C-1 | 20       | 1             | 7  | 0.7       | 4.9 | B  |
| 22                 | 4E-46 UG2 FEED C-4 | 20       | 1             | 7  | 0.7       | 4.9 | C  |
| 23                 | 4E-46 UG2 FEED C-4 | 20       | 1             | 7  | 0.7       | 4.9 | C  |
| 24                 | 4E-46 UG2 FEED C-4 | 20       | 1             | 7  | 0.7       | 4.9 | A  |
| 25                 | 4E-46 UG2 FEED C-4 | 20       | 1             | 7  | 0.7       | 4.9 | A  |
| 26                 | 4E-46 C-2          | 20       | 1             | 7  | 0.7       | 4.9 | B  |
| 27                 | 4E-46 C-2          | 20       | 1             | 7  | 0.7       | 4.9 | B  |
| 28                 | 4E-46 C-2          | 20       | 1             | 7  | 0.7       | 4.9 | C  |
| 29                 | 4E-46 C-2          | 20       | 1             | 7  | 0.7       | 4.9 | C  |
| 30                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 31                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 32                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 33                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 34                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 35                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 36                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 37                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 38                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 39                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 40                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 41                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 42                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 43                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 44                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 45                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 46                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 47                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 48                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 49                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 50                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 51                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 52                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 53                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 54                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 55                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 56                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 57                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 58                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 59                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 60                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 61                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 62                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 63                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 64                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 65                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 66                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 67                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 68                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 69                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 70                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 71                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 72                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 73                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 74                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 75                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 76                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 77                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 78                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 79                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 80                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 81                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 82                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 83                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 84                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 85                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 86                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 87                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 88                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 89                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 90                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 91                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 92                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 93                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 94                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 95                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 96                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 97                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 98                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 99                 | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 100                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 101                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 102                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 103                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 104                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 105                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 106                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 107                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 108                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 109                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 110                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 111                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 112                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 113                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 114                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 115                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 116                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 117                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 118                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 119                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 120                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 121                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 122                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 123                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 124                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 125                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 126                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 127                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 128                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 129                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 130                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 131                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 132                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 133                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 134                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 135                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 136                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 137                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 138                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 139                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 140                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 141                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 142                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 143                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 144                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 145                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 146                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 147                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 148                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 149                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 150                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 151                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 152                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 153                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 154                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 155                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 156                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 157                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 158                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 159                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 160                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 161                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 162                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 163                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 164                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 165                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 166                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 167                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 168                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 169                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 170                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 171                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 172                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 173                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 174                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 175                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 176                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 177                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 178                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 179                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 180                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 181                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 182                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 183                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 184                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 185                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 186                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 187                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 188                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 189                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 190                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 191                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 192                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 193                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 194                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 195                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 196                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 197                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 198                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 199                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 200                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 201                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 202                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 203                | TUR PANEL          | 40       | 2             | 7  | 0.7       | 4.9 | A  |
| 204                | TUR PANEL          | 40       | 2             | 7  |           |     |    |

| PANEL DESIGNATION:                    |                        | 405B     | VOLT: 120/208 |    | AMP: 225  |     |    |     |     |    |                  |      |                           |    |
|---------------------------------------|------------------------|----------|---------------|----|-----------|-----|----|-----|-----|----|------------------|------|---------------------------|----|
| ROOM:                                 |                        | 4S13     | PHASES: 3     |    | MAIN: MLO |     |    |     |     |    |                  |      |                           |    |
| ELECTRICAL SYSTEM:                    |                        | CRITICAL | WIRES: 4      |    | AIC:      |     |    |     |     |    |                  |      |                           |    |
| CKT                                   | LOAD DESCRIPTION       | AT       | P             | CA | DF        | DA  | PH | CA  | P   | AT | LOAD DESCRIPTION | CKT  |                           |    |
| 1                                     | LTC. ROOM 4S-65        | 20       | 1             | 7  | 0.7       | 4.9 | A  | 4.9 | 0.7 | 7  | 1                | 20   | LTC. ROOM 4S-59 OR6       | 2  |
| 3                                     | LTC. ROOM 4S-65        | 20       | 1             | 7  | 0.7       | 4.9 | B  | 4.9 | 0.7 | 7  | 1                | 20   | LTC. ROOM 4S-59 OR6       | 4  |
| 5                                     | LTC. ROOM 4S-63        | 20       | 1             | 7  | 0.7       | 4.9 | C  | 4.9 | 0.7 | 7  | 1                | 20   | EAST STERILIZER 4S-61     | 6  |
| 7                                     | LTC. ROOM 4S-63        | 20       | 1             | 7  | 0.7       | 4.9 | A  | 4.9 | 0.7 | 7  | 1                | 20   | WEST STERILIZER 4S-67     | 8  |
| 9                                     | LTC. ROOM 4S-69        | 20       | 1             | 7  | 0.7       | 4.9 | B  | 4.9 | 0.7 | 7  | 1                | 20   | LTC. 4S-70                | 10 |
| 11                                    | LTC. ROOM 4S-69        | 20       | 1             | 7  | 0.7       | 4.9 | C  | 4.9 | 0.7 | 7  | 1                | 20   | LTC. 4S-70                | 12 |
| 13                                    | LTC. & REC. 4S60.61&62 | 20       | 1             | 7  | 0.7       | 4.9 | A  | 4.9 | 0.7 | 7  | 1                | 20   | LTC. & REC. 4S-66,67 & 68 | 14 |
| 15                                    | LTC. OP. 4S-63 OR5     | 20       | 1             | 7  | 0.7       | 4.9 | B  | 4.9 | 0.7 | 7  | 1                | 20   | LTC. OP. 4S-70 OR2        | 16 |
| 17                                    | LTC. OP. 4S-63 OR5     | 20       | 1             | 7  | 0.7       | 4.9 | C  | 4.9 | 0.7 | 7  | 1                | 20   | LTC. OP. 4S-70 OR2        | 18 |
| 19                                    | LASER OR1              | 20       | 3             | 7  | 0.7       | 4.9 | A  | 4.9 | 0.7 | 7  | 1                | 20   | LTC. OP. 4S-74 OR1        | 20 |
| 21                                    | ---                    | ---      | ---           | 7  | 0.7       | 4.9 | B  | 4.9 | 0.7 | 7  | 1                | 20   | LTC. OP. 4S-74 OR1        | 22 |
| 23                                    | ---                    | ---      | ---           | 7  | 0.7       | 4.9 | C  | 4.9 | 0.7 | 7  | 1                | 20   | LTC. OP. 4S-59 OR6        | 24 |
| 25                                    | LTC. OP. RW 4S69. OR3  | 20       | 1             | 7  | 0.7       | 4.9 | A  | 4.9 | 0.7 | 7  | 1                | 20   | LTC. OP. 4S-59 OR6        | 26 |
| 27                                    | EXISTING               | 20       | 1             | 7  | 0.7       | 4.9 | B  | 4.9 | 0.7 | 7  | 1                | 20   | REC. 4S-78                | 28 |
| 29                                    | SPACE ONLY             |          |               | 0  | 1.0       | 0.0 | C  | 0.0 | 1.0 | 0  |                  |      | SPACE ONLY                | 30 |
| 31                                    | SPACE ONLY             |          |               | 0  | 1.0       | 0.0 | A  | 0.0 | 1.0 | 0  |                  |      | SPACE ONLY                | 32 |
| TOTAL AMPS/PH — CONNECTED LOAD:       |                        |          |               |    |           |     |    |     |     |    |                  | 65   |                           |    |
| TOTAL AMPS/PH — DEMAND FACTOR:        |                        |          |               |    |           |     |    |     |     |    |                  | 0.70 |                           |    |
| TOTAL AMPS/PH — DEMAND:               |                        |          |               |    |           |     |    |     |     |    |                  | 46   |                           |    |
| CONNECTED KVA:                        |                        |          |               |    |           |     |    |     |     |    |                  | 16   |                           |    |
| DEMAND KVA:                           |                        |          |               |    |           |     |    |     |     |    |                  | 11   |                           |    |
| PANEL SIZE (DEMAND X 1.25) — AMPERES: |                        |          |               |    |           |     |    |     |     |    |                  | 57   |                           |    |
| P — PHASE                             |                        |          |               |    |           |     |    |     |     |    |                  |      |                           |    |

|   |  |  |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|--|--|
| NOTES:  |  |  |  |  |  |  |  |  |  |  |  |
| THIN SOLID TEXT INDICATES EXISTING LOADS, TO REMAIN |  |  |  |  |  |  |  |  |  |  |  |
| AND THICK SOLID TEXT INDICATE NEW LOADS.            |  |  |  |  |  |  |  |  |  |  |  |

[illegible]

|              |  |
|--------------|--|
| CONSULTANTS: |  |
|              |  |

ARCHITECT/ENGINEERS:

**PARADIGM**

**ENGINEERS AND CONSTRUCTORS**


PO BOX 43623 Louisville, Kentucky 40233 - PH: 502.339.8511 - [www.paradigmus.com](http://www.paradigmus.com)

Drawing Title: **ELECTRICAL PANEL SCHEDULES**

Approved: Project Director

2018.7.20.12

STANDARD  
DRAWING  
PANEL  
SCHEDULES  
24788  
VAN GANSBERGE  
PROFESSIONAL ENGINEERING  
REGISTERED  
2018.7.20.12

|   |  |  |
|---|--|--|
| Project Title:<br><b>SURGICAL SUPPORT AND LOCKERS</b>   | Project Number:<br><b>636A8-11-011</b> | Office of<br><b>Construction<br/>and Facilities<br/>Management</b>   |
|   | Building Number:<br><b>1</b>           |  |
|   | Drawing Number:<br><b></b>             |  |
| Location: <b>IOWA CITY VAMC</b><br>601 16 <sup>TH</sup> HWY. & WEST, IOWA CITY, IOWA 52246-2008 |  |  |
| Date: <b>07-29-12</b>   | Checked:<br><b>KLP</b>                 | Drawn:<br><b>MPS</b>   |
|   |  | <b>1E13</b>  |
|   |  |  Department of<br><b>Veterans Affairs</b> |