

| PANEL: P                                                                                                                                                             |                       |                               |      | CIRCUITS 32    |      |                 |                  | MAIN DEGREE: NO. AMPS |     |   |   | 1 PWR                 |            |      |      |                |                  |        |                         |                         |    |    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|------|----------------|------|-----------------|------------------|-----------------------|-----|---|---|-----------------------|------------|------|------|----------------|------------------|--------|-------------------------|-------------------------|----|----|
| NEAR                                                                                                                                                                 |                       |                               |      | NEW            |      |                 |                  | K.A.I.C.: 22 AMPS     |     |   |   | 3 WIRE                |            |      |      |                |                  |        |                         |                         |    |    |
| LOCATION: EXTERIOR AT POOL EQUIP AREA                                                                                                                                |                       |                               |      | MOUNTED FLUENT |      |                 |                  | SURFACE X             |     |   |   | 240/120V<br>FEED THRU |            |      |      |                |                  |        |                         |                         |    |    |
| T<br>Y<br>P<br>E                                                                                                                                                     | C<br>K<br>T<br>N<br>O | IDENTIFICATION                | WIRE | GND.           | COND | CIRCUIT BREAKER | LOAD PHASE (WVA) |                       |     |   |   | BREAKER               | WIRE       | GND. | COND | IDENTIFICATION | T<br>Y<br>P<br>E | N<br>O |                         |                         |    |    |
|                                                                                                                                                                      |                       |                               |      |                |      |                 | TRIP             | POLES                 | A   | B | C |                       |            |      |      |                |                  |        | POLES                   | TRIP                    |    |    |
| GF                                                                                                                                                                   |                       | 1 POOL HEATER (GAS) BY OTHERS | 12   | 12             | 12"  | 20              | 1                | 0.3                   | 0.3 |   |   | 0.3                   | 1.8        |      | 2    | 20             | 12               | 12"    | SPALTS. BY OTHERS       | 2                       | GF |    |
| GF                                                                                                                                                                   |                       | 2 POOL PUMP BY OTHERS         | 12   | 12             | 12"  | 20              | 1                |                       |     |   |   |                       |            |      | 2    | 20             | 12               | 12"    | POOL PUMP BY OTHERS     | 4                       | GF |    |
|                                                                                                                                                                      |                       | 3 EXTERIOR RCFCFS             | 12   | 12             | 12"  | 20              | 1                | 0.6                   | 1.8 |   |   |                       | 1.2        |      | 2    | 20             | 12               | 12"    | FOUNTAIN PUMP BY OTHERS | 8                       | GF |    |
|                                                                                                                                                                      |                       | 4 SPACE                       | 9    |                |      |                 |                  |                       |     |   |   |                       | 1.2        |      |      |                |                  |        |                         | 10                      |    |    |
|                                                                                                                                                                      |                       | 13 SPACE                      |      |                |      |                 |                  |                       |     |   |   |                       | 1.8        |      | 2    | 20             | 12               | 12"    | 1.0"                    | FOUNTAIN PUMP BY OTHERS | 10 | GF |
|                                                                                                                                                                      |                       | 16 SPACE                      |      |                |      |                 |                  |                       |     |   |   |                       |            |      |      |                |                  |        |                         | 16                      |    |    |
|                                                                                                                                                                      |                       | 17 SPACE                      |      |                |      |                 |                  |                       |     |   |   |                       |            |      |      |                |                  |        |                         | 18                      |    |    |
|                                                                                                                                                                      |                       | 18 SPACE                      |      |                |      |                 |                  |                       |     |   |   |                       |            |      |      |                |                  |        |                         | 20                      |    |    |
|                                                                                                                                                                      |                       | 21 SPACE                      |      |                |      |                 |                  |                       |     |   |   |                       |            |      |      |                |                  |        |                         | 22                      |    |    |
|                                                                                                                                                                      |                       | 23 SPACE                      |      |                |      |                 |                  |                       |     |   |   |                       |            |      |      |                |                  |        |                         | 24                      |    |    |
|                                                                                                                                                                      |                       | 25 SPACE                      |      |                |      |                 |                  |                       |     |   |   |                       |            |      |      |                |                  |        |                         | 26                      |    |    |
|                                                                                                                                                                      |                       | 28 SPACE                      |      |                |      |                 |                  |                       |     |   |   |                       |            |      |      |                |                  |        |                         | 28                      |    |    |
|                                                                                                                                                                      |                       | 29 SPACE                      |      |                |      |                 |                  |                       |     |   |   |                       |            |      |      |                |                  |        |                         | 30                      |    |    |
|                                                                                                                                                                      |                       | 31 SPACE                      |      |                |      |                 |                  |                       |     |   |   |                       |            |      | 2    | 20             | 16               | 10     | 10"                     | TVSS                    | 32 |    |
| TOTAL CONNECTED LOAD PER PHASE                                                                                                                                       |                       |                               |      |                |      |                 |                  | 0.8                   | 4.8 |   |   | 0.6                   | 3.6        |      |      |                |                  |        |                         |                         |    |    |
| TOTAL CONNECTED LOAD                                                                                                                                                 |                       |                               |      |                |      |                 |                  | 4.8                   |     |   |   | 4.8                   |            |      |      |                |                  |        |                         |                         |    |    |
| TOTAL CONNECTED                                                                                                                                                      |                       |                               |      |                |      |                 |                  | 36.7                  |     |   |   |                       | WVA<br>AMP |      |      |                |                  |        |                         |                         |    |    |
| AF - GFCI FAULT PROTECTED CIRCUIT BREAKER<br>GF - GFCI GROUND FAULT PROTECTED CIRCUIT<br>NC - NO CONCURRENT LOAD<br>TS - TIME SWITCH<br>LS - VOLTAGE SENSITIVE RELAY |                       |                               |      |                |      |                 |                  |                       |     |   |   |                       |            |      |      |                |                  |        |                         |                         |    |    |
| NOTE: CONTRACTOR SHALL VERIFY ALL PANEL & EQUIPMENT<br>CONFORMS TO ALL APPLICABLE CODES PRIOR TO INSTALLATION.                                                       |                       |                               |      |                |      |                 |                  |                       |     |   |   |                       |            |      |      |                |                  |        |                         |                         |    |    |

[illegible]

| 2000 SDF                                                |      | PHASE D, HOUSE DEMAND LOAD |            | TOTAL         |            |
|---------------------------------------------------------|------|----------------------------|------------|---------------|------------|
| 120/240V 1 PHASE                                        | QTY. | UNIT                       | VA         | CONNECTED KVA | DEMAND KVA |
| QBL 1/2" SLOTTED 1" MEC 220 120 14UJ                    | 2500 | SDF                        | 3          | 7.5           |            |
| IRAIL APPLIANCES (INC 220 120 14UJ)                     | 2    | COTTS                      | 1500       | 3.0           |            |
| LAUNDRY RPT                                             | 1    | GA                         | 1500       | 1.5           |            |
| TOTAL                                                   |      |                            |            | 12.0          |            |
| *** NON-CONCURRENTS                                     |      |                            |            |               |            |
| DEMAND LIGHTING 25.0 125V 130VA AT 100% (MINIMUM 130VA) |      |                            |            | ---           | 6.2 KVA    |
| EQUIPMENT LOAD SUMMARY DEMAND SECTION 220.53            |      |                            |            |               |            |
| CLOTHES WASHER                                          | 2    | GA                         | 1500       | 2.0           |            |
| CHEWERS                                                 | 2    | GA                         | 1200       | 2.4           |            |
| DISHWASHER                                              | 1    | GA                         | 800        | 0.8           |            |
| HOOD                                                    | 1    | GA                         | 400        | 0.4           |            |
| REFRIGERATOR                                            | 1    | GA                         | 400        | 0.4           |            |
| WINDOW SHADERS                                          | 1    | GA                         | 500        | 0.5           |            |
| TV LUT                                                  | 1    | GA                         | 1500       | 1.5           |            |
| CAR CHARGER                                             | 1    | GA                         | 9000       | 9.0           |            |
| TOILET FEATURIE                                         | 4    | GA                         | 1200       | 8.2           |            |
| DEMAND LOAD 79.5225 83                                  |      |                            |            |               | 19.3 KVA   |
| EQUIPMENT LOAD SUMMARY DEMAND SECTION 220.55            |      |                            |            |               |            |
| COOKTOP/APPLIANCES TABLE                                |      |                            |            |               |            |
| GA'S COOK TOP                                           | 1    | GA                         | 300        | 0.3           |            |
| MICROWAVE DRAWER                                        | 1    | GA                         | 1500       | 1.5           |            |
| DISHWASHER                                              | 1    | GA                         | 800        | 0.8           |            |
| DEMAND LOAD 50.5225 55                                  |      |                            |            |               | 5.4 KVA    |
| EQUIPMENT LOAD SUMMARY DEMAND FACTOR                    |      |                            |            |               |            |
| GA'S CLOTHES DRYER                                      | 2    | GA                         | 300        | 0.6           |            |
| HEATING LOAD 147V, 1 PHASE                              |      |                            |            |               | 19.0       |
| Cooling Load 240V, 1 PHASE                              |      |                            |            |               | 18.2       |
| TO TAIL CONNECTED LOAD                                  |      | 67.2 AMPS                  |            |               | 16.6 KVA   |
| TOTAL DEMAND LOAD                                       |      |                            |            |               |            |
|                                                         |      |                            |            |               | 50.4 KVA   |
| 10.4 KVA @ 240V, 1Ø                                     |      |                            | 210.7 AMPS |               |            |

\*\*\* NON-CONCURRENT LOAD