**Control Center Data Chart**

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| CONTROL CENTER DESIGNATION | POWER SERVICE VOLTAGE AND CONFIGURATION | CONTROL CENTER TOTAL CONNECTED LOAD (kVA) | SERVICE ENTRANCE CONDUCTOR SIZE (AWG)\*1 | ENCLOSURE RATING (AMPS)\*2 | FEEDER CIRCUIT CONNECTED LOAD (AMPS) | FEEDER CIRCUIT FUSE SIZE (AMPS)\*3 & 4 | BRANCH CIRCUIT NO.\*5 | BRANCH CIRCUIT VOLTAGE (VOLTS, L/N OR L/L) | BRANCH CIRCUIT LOAD (AMPS) | BRANCH CIRCUIT BREAKER SIZE (AMPS)\*3 | BRANCH CIRCUIT CABLE SIZE | MAINTAINING AGENCY |
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Notes \*:

* 1. See NEC 230 Part IV for requirements related to service-entrance conductors. 230.42 (2011) has specific requirements on conductor size; in general, ampacity shall be a minimum of 125% of the continuous lighting load of the control center. Note that 125% = 1/0.8.
1. Refers to the ampere rating of the disconnect as specified by the manufacturer. NEC Art. 225 requires the Rating of Disconnect to be not less than the calculated load. Consideration should be made of future expansion of the lighting system, but at a minimum the rating shall be equal to the ampacity of the service-entrance conductors. The Short-Circuit Current Rating (SCCR) should be calculated using the power service equipment as provided by the power company. It is the Contractor’s responsibility to assure enclosure SCCR compatibility per NEC Art. 110.
2. Nominal fuse size should be a minimum of 125% of the calculated load, up to a value equal to the ampacity of the wire protected by the fuse. Standard ampere readings for fuses are given in NEC Art. 240. When the circuit fuse in the chart above supplies only a single lighting branch circuit breaker, the designer should specify a nominal fuse value at least two standard ampere ratings higher than the 125% value. Note that 125% = 1/0.8.
3. The feeder circuit fuses are located below the LCC main disconnect and there is typically one feeder circuit fuse per energized line from the power service. See HL-60.31. Each feeder supplies one or more branch circuit breakers.
4. Describe branch Circuits in the manner of 1141-3.10.