**LIGHTING CONTROLLER, 240V**

**ELECTRIC SERVICE INSTALLATION**

(Typical overhead service shown. Cut pole off for underground service and treat cut surface with preservative. Consult utility company standards for exact requirements.)

* Size larger as needed.

**ANCHOR ROD DETAIL**

- Feeder conductors to lighting controller.
- Ground rod.
- PVC conduit.
- Malleable iron conduit clamps at 5' (1.5 m) intervals.
- Service disconnect switch.
- Weatherhead.
- Down guy and anchor as needed.
- 25' (7.5 m) Wood service pole.
- Service conductors in rigid steel conduit, sized as required.

**FOUNDRATION (PLAN)**

- Concrete foundation.
- 16 (13) Sch. 40 PVC conduit.
- Ground line.
- Additional wiring window as needed.
- 46 (1170) PVC wiring window.

All dimensions are in inches (millimeters) unless otherwise shown.

**OBSTRUCTION WARNING**

- **Lighting Controller**
- **Electric Service Installation**
- **Anchor Rod Detail**

**DATE**

1-1-22

1-1-19

**REVISIONS**

- Replaces "Navigation" with "Obstruction Warning" in std title.
- Replaces "Note (2)" with "Note (2) and Control Schematic."
- Replaces **note with new note regarding consulting utility company standards for installation."**

**STANDARD 826001-03**

Illinois Department of Transportation
Controller enclosure, minimum dimensions: 39H x 44W x 26D (1500 x 1120 x 660)

Insulated mounting board.

Service conductors, sized as required.

Feeder conductors, sized as required.

Neutral bar.

Equipment ground bar.

Ground rod in access well.

Obstruction warning lighting circuits.

Hand-off-auto selector switch.

100 amp*, electrically held contactor.

60 amp*, electrically held contactor.

15 amp, 1-pole circuit breaker.

20 amp*, 2-pole circuit breaker (two spares required but not shown).

20 amp*, single-pole circuit breaker (two shown, quantity as required).

Surge arrester.

GFCI duplex receptacle.

Single-pole, single-throw switch.

Incandescent luminaire, enclosed and gasketted with 100 watt lamp.

Service disconnect switch - 2-pole, 3-wire, 100 amp*, fused at 100 amp*, solid neutral in NEMA 4X enclosure having lockable external handle.

60 amp*, 2-pole circuit breaker.

30 amp*, 2-pole circuit breaker.

Terminal block sized for conductors as shown on plans.

* Size larger as needed.