LIGHTING CONTROLLER

**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.)

- 240/480 V, 3-phase, 3-wire, overhead service.
- 25 (7.5 m) Wood service pole *
- Service conductors in rigid steel conduit, sized as required.
- Malleable iron conduit clamps at 5' (1.5 m) intervals.
- Meter (when required). ***
- Conduit hub.
- Service disconnect switch.
- 1/2 (13) Sch. 40 PVC conduit.
- Ground line.
- No. 6 bare copper wire.
- Ground rod.
- Feeder conductors in rigid conduit to lighting controller.

**ANCHOR ROD DETAIL**

- Ground guy and anchor, as needed.
- Concrete foundation.
- No. 8 (25) 45° Chamfer.
- (16) dia. anchor rod.
- 3 (25) 5/8, 40 PVC wiring window.
- Engraved name plate.
- 12 x 9 x 1 (300 x 225 x 25) watertight pouch mounted inside door with as-built drawings and schematics. Controller enclosure.
- 1/8 (16) dia. anchor rod.
- Chamfer. Ground line.
- Additional wiring window as needed.
- Lighting controller in underside of cover overhang.
- Controller.
- 36 (900) 24 (450) 18 (450) PVC conduit.
- 1-1-15

**NAVIGATION OBSTRUCTION FOUNDATION (PLAN)**

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

**STANDARD 826006-02**

**DATE**

**REVISIONS**

1-1-15

- Replaced ** note with new note regarding utility company standards. Made *** the ** note.

1-1-19

- Added note **.
**Controller enclosure, minimum dimensions**: 59H x 44W x 26D (1500 x 1120 x 660)

- Insulated mounting board.
- Service conductors, sized as required.
- Neutral bar.
- Ground rod in access well.
- Feeder conductors, sized as required.

**Equipment ground bar**

**Neutral bar**

**Roadway lighting circuits**

**Navigation lighting circuits**

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**Equipment**

- Surge arrester.
- (two shown, quantity as required).
- Photocell with integral surge arrester for roadway lighting.
- Photocell with integral surge arrester for navigation lighting.
- GFCI duplex receptacle.
- Incandescent luminaire, enclosed and gasketed with 100 watt lamp.
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- Service disconnect switch - 2-pole, single-pole, single-throw switch.
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