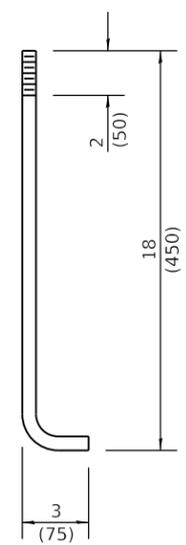
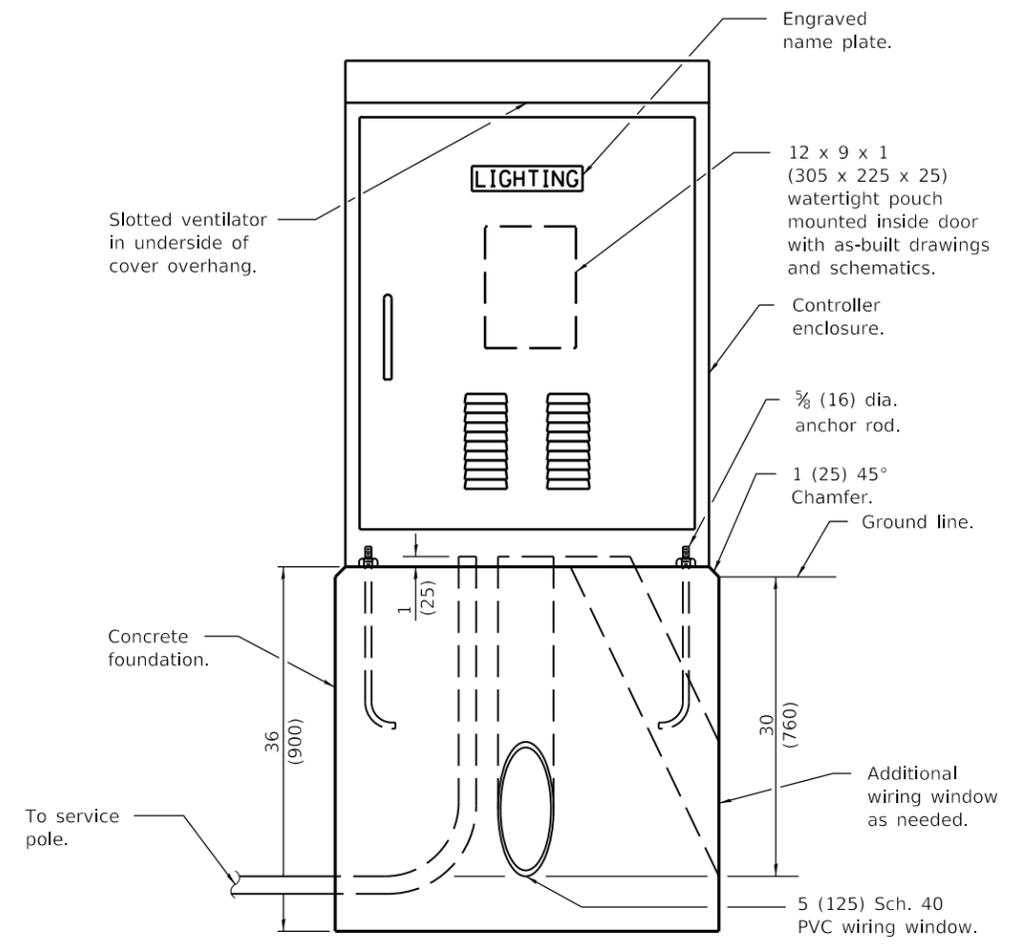


ELECTRIC SERVICE INSTALLATION

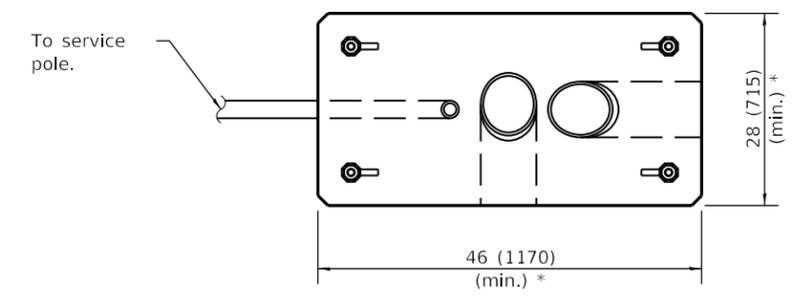
(Typical overhead service shown. Cut pole off for underground service and treat cut surface with preservative. Consult utility company standards for exact requirements.)
 * Size larger as needed.



ANCHOR ROD DETAIL



LIGHTING CONTROLLER



FOUNDATION (PLAN)

(Work pad not shown.)
 * Size larger as needed.

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

DATE	REVISIONS
1-1-19	Replaced ** note with new note regarding consulting utility company standards for installation.
1-1-15	Added note (16).

NAVIGATION OBSTRUCTION LIGHTING CONTROLLER, 240V
 (Sheet 1 of 2)

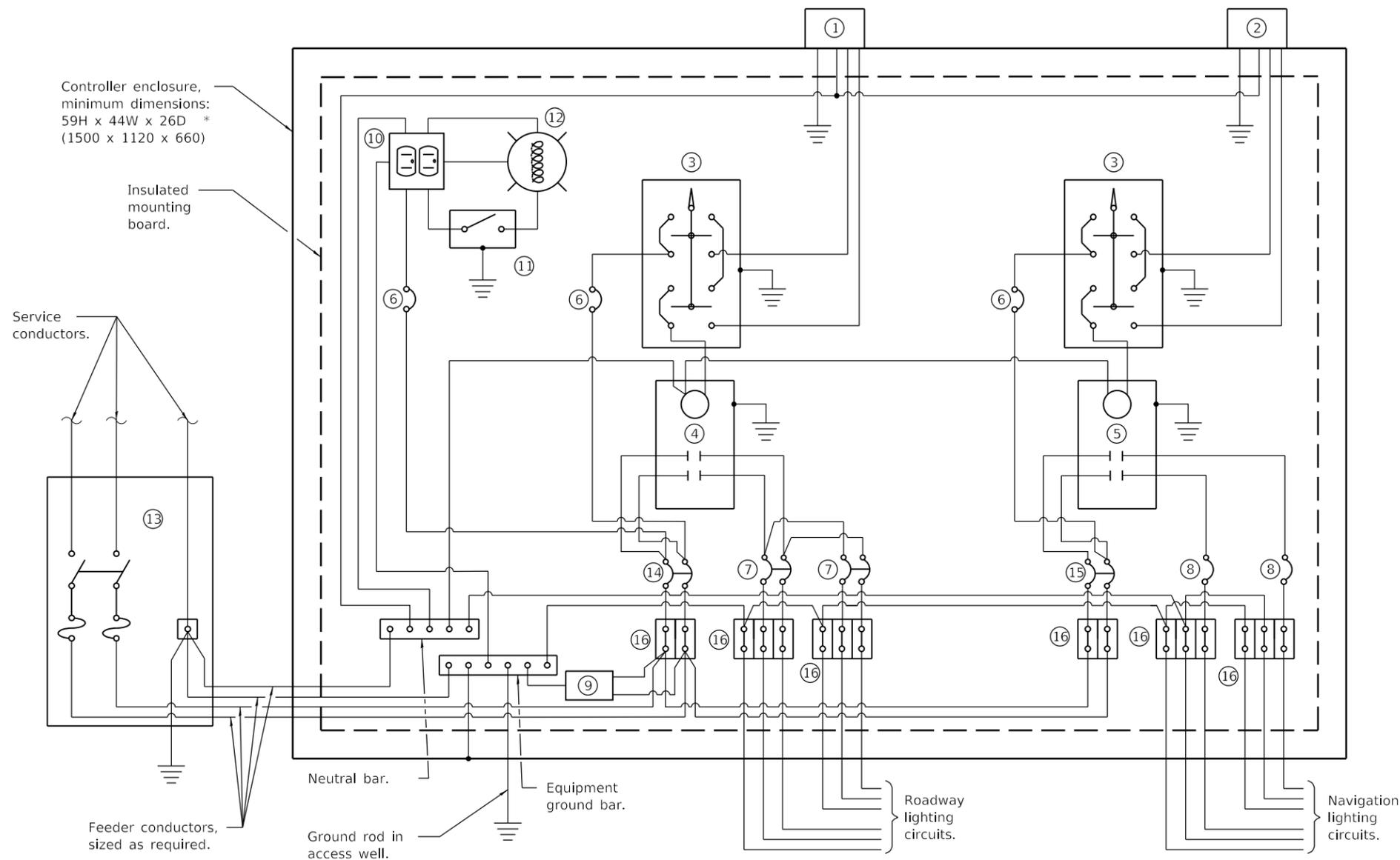
STANDARD 826001-02

Illinois Department of Transportation

PASSED January 1, 2019
ME Reppelt
 ELECTRICAL AND MECHANICAL UNIT CHIEF

APPROVED January 1, 2019
J. E. ...
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-12



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

Insulated mounting board.

Service conductors.

Feeder conductors, sized as required.

Neutral bar.

Ground rod in access well.

Equipment ground bar.

Roadway lighting circuits.

Navigation lighting circuits.

CONTROL SCHEMATIC

- ① Photocell with integral surge arrester for roadway lighting.
- ② Photocell with integral surge arrester for navigation lighting.
- ③ HAND-OFF-AUTO selector switch.
- ④ 100 amp*, electrically held contactor.
- ⑤ 60 amp*, electrically held contactor.
- ⑥ 15 amp, 1-pole circuit breaker.
- ⑦ 20 amp*, 2-pole circuit breaker (two spares required but not shown).
- ⑧ 20 amp*, single-pole circuit breaker (two shown, quantity as required).
- ⑨ Surge arrester.
- ⑩ GFCI duplex receptacle.
- ⑪ Single-pole, single-throw switch.
- ⑫ Incandescent luminaire, enclosed and gasketed with 100 watt lamp.
- ⑬ Service disconnect switch - 2-pole, 3-wire, 100 amp*, fused at 100 amp*, solid neutral in NEMA 4X enclosure having lockable external handle.
- ⑭ 60 amp*, 2-pole circuit breaker.
- ⑮ 30 amp*, 2-pole circuit breaker.
- ⑯ Terminal block sized for conductors as shown on plans.

* Size larger as needed.

Illinois Department of Transportation

PASSED January 1, 2019
M. E. Reppelt
 ELECTRICAL AND MECHANICAL UNIT CHIEF

APPROVED January 1, 2019
J. E. ...
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-12

NAVIGATION OBSTRUCTION LIGHTING CONTROLLER, 240V
 (Sheet 2 of 2)

STANDARD 826001-02