3-wire, overhead service.

Service pole.

Down guy and anchor, as needed.

25' (7.5 m) Wood service pole.

3-No. 8 XLP cables in 1 (25) rigid steel conduit.

Malleable iron conduit clamps at 5' (1.5 m) intervals.

Meter (when required).

Conduit hub.

Neutral bar.

No. 6 bare copper wire.

Ground rod.

Controller enclosure.

Service disconnect switch.

Rigid steel conduit elbow.

PVC conduit.

1-3/4" (450 mm) wood pole.

Photocell with integral surge arrester.

HAND-OFF-AUTO selector switch.

60 amp, electrically held contactor.

15 amp, 1-pole circuit breaker.

20 amp, 2-pole circuit breaker.

Surge arrester.

Service disconnect switch - 2-pole, 3-wire, 30 amp, fused at 30 amp, solid neutral in NEMA 4X enclosure having lockable external handle.

Terminal block sized for conductors as shown on plant.

Size larger as needed.

Provide 12x9x1 (305x225x25) watertight pouch mounted inside controller door with as-built plans and schematics.

Provide engraved nameplate on front of enclosure reading "LIGHTING".

Enclosure shall be mounted to pole with pole bands regarding consulting utility company standards for installation.

Work pad not shown.

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

30 AMP

LIGHTING CONTROLLER
POLE MOUNTED, 240V

STANDARD 825001-04

(Date 1 of 2)
ELECTRIC SERVICE INSTALLATION

- 3-wire, overhead service.
- Weatherhead
- Down guy and anchor, as needed
- 25' (7.5 m) Wood service pole
- 3 No. 6 XLP cables in 1 (2%) rigid steel conduit
- Malleable iron conduit clamps at 5' (1.5 m) intervals
- Meter (when required)
- Conduit hub
- Service disconnect switch
- Rigid steel conduit elbow
- Rigid steel conduit
- PVC conduit (12) Sch. 40

- Controller enclosure
- Insulated mounting board
- Service conductors
- U-channel or mounting bracket, two required
- Ventilator
- Controller enclosure
- Rigid steel conduit elbow

- No. 6 Wire
- Neutral bar
- Equipment ground bar
- Branch lighting circuits

- Refrigeration unit duct(s)
- Circulators in Branch lighting circuits
- Service ducts

- Photocell with integral surge
  arrester
- HAND-OFF-AUTO selector switch
- 20 amp, 2-pole circuit breaker
- Surge arrester
- GFI duplex receptacle
- Single-pole, single-throw switch
- Incandescent luminaire, enclosed and gasketed with 100 watt lamp
- Service disconnect switch - 2 pole, 3 wire, 60 amp, fused at 60 amp, solid neutral in NEMA 4X enclosure having lockable external handle
- Terminal block sized for conductors
  as shown on plans
- Size larger as needed

Dimensions:
- 30H x 20W x 14D
- Ground rod
- (4 5 0)
- 18
- (1.65 m)
- 5' - 6"
- (120/240 V, 3-wire, overhead service)