

FRONT SIDE
ELECTRIC SERVICE INSTALLATION

** Or as directed by Utility Company.

Controller enclosure, minimum dimensions: **30H x 20W x 14D*** (760 x 510 x 355)

Insulated mounting board.

Service conductors.

U-channel or mounting bracket, two required.

Ventilator

Controller enclosure.

Rigid steel conduit elbow.

Rigid steel conduit.

Rigid steel conduit.

Branch lighting circuits in unit duct(s).

Ground rod.

No. 6 bare copper wire.

Ground line.

Maleable iron conduit clamp.

1/2 (13) Sch. 40 PVC conduit.

Rigid steel conduit elbow.

Service disconnect switch.

Conduit hub.

Meter (when required).

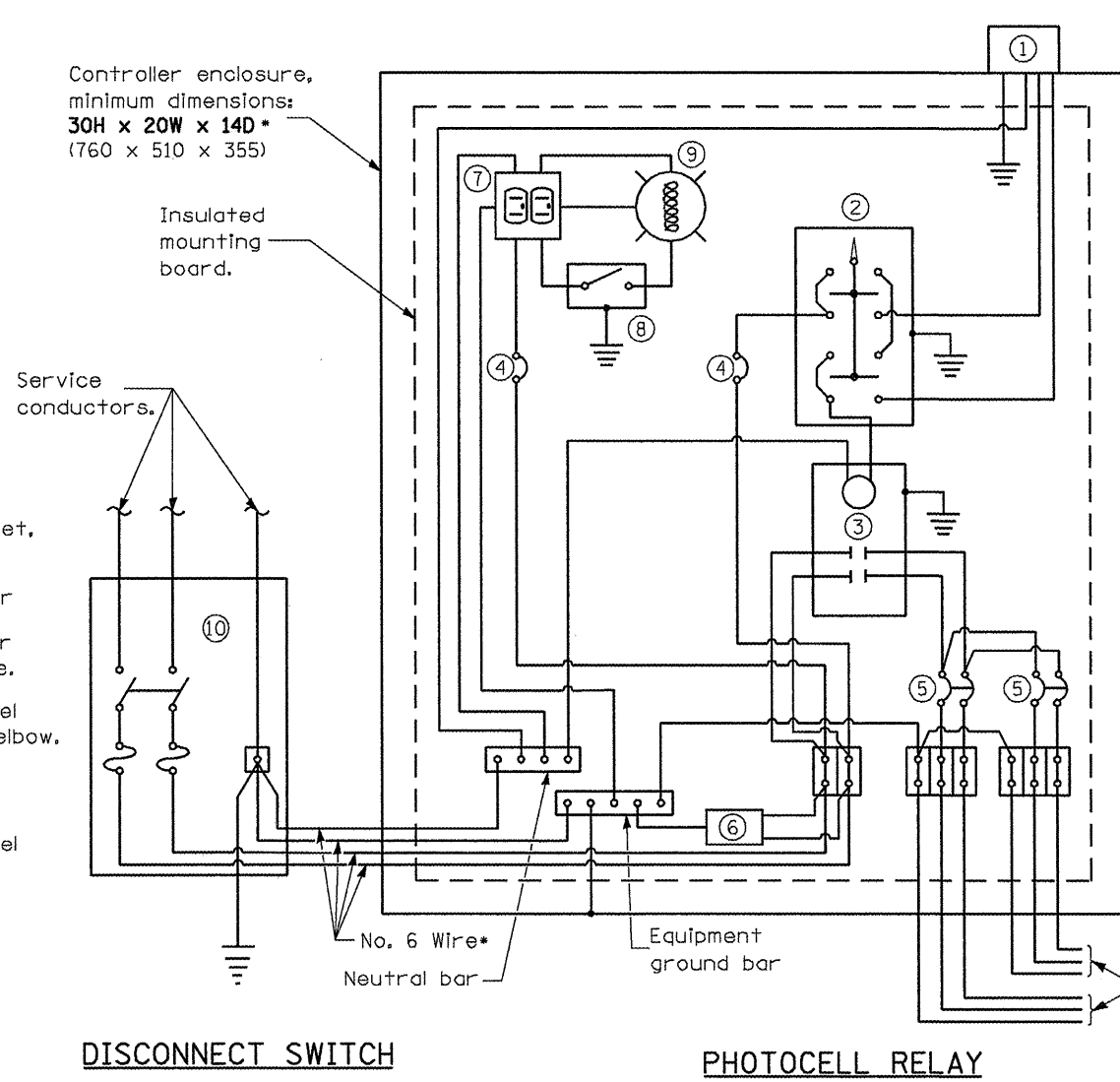
3-No. 6 XLP cables in 1 (25) rigid steel conduit.*

25' (7.5 m) Wood service pole.*

Downguy and anchor, as needed.

Weatherhead

120/240 V, 1-phase, 3-wire, overhead service.



DISCONNECT SWITCH

PHOTOCELL RELAY

- ① Photocell with integral surge arrester.
- ② HAND-OFF-AUTO selector switch.
- ③ 60 amp*, electrically held contactor.
- ④ 15 amp, 1-pole circuit breaker.
- ⑤ 20 amp*, 2-pole circuit breaker (two spares required but not shown).
- ⑥ Surge arrester.
- ⑦ GFCI duplex receptacle.
- ⑧ Single-pole, single-throw switch.
- ⑨ Incandescent luminaire, enclosed and gasketed with 100 watt lamp.
- ⑩ Service disconnect switch - 2-pole, 3-wire, 60 amp*, fused at 60 amp*, solid neutral in NEMA 3R enclosure having lockable external handle.

* Size larger as needed.

GENERAL NOTES

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 and lag-bolts.

**LIGHTING CONTROLLER
240V, POLE MOUNTED**

STANDARD 825001

| | | | |
|---|-------------------|-----------------|-----------|
| FILE NAME = | USER NAME = coxte | DESIGNED - | REVISED - |
| of:\pw\work\PIWIDOT\COXTE\ma84394\lht-1\lht.dgn | | DRAWN - RTS | REVISED - |
| PLOT SCALE = 40.0000' / IN. | | CHECKED - | REVISED - |
| PLOT DATE = Dec-18-2009 04:50:18PM | | DATE - 12-09-09 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERSECTION LIGHTING DETAILS

SCALE: 1" = 20' SHEET NO. 5 OF 9 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------------|--------|--------------------|-----------|
| 67 | 105(RS-6) 106(RS-4) | * | 88 | 67 |
| | | | CONTRACT NO. 72C49 | |
| ILLINOIS FED. AID PROJECT | | | | |

* CASS, SANGAMON