LIGHTING SERVICE

3-wire, overhead 240/480 V, 1-phase, Weatherhead.

Anchor, as needed.

25' (7.5 m) Wood service pole.

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

Meter (when required).

Conduit hub.

Service disconnect switch.

Engraved name plate.

Controller enclosure.

Photocell.

Controller enclosure, minimum dimensions: 301 x 209 x 340

(760 x 510 x 355)

Insulated mounting board.

Service conductors in rigid steel conduit,

clamps at 5' (1.5 m) intervals.

Malleable iron conduit

Conduit hub.

Service disconnect switch.

12 x 9 x 1
(305 x 225 x 25)
watertight pouch mounted inside door with as-built plans and schematics.

Controller enclosure.

Service disconnect switch - 2-pole,

3-wire, 60 amp*. fused at 60 amp*, solid neutral in NEMA 4X enclosure having lockable external handle.

Neutral bar.

Equipment ground bar.

Feeder conductors sized as required.

Feeders conductors to lighting controller.

To service pole.

Feeder conductors in rigid conduit to lighting controller.

PVC conduit.

(13) Sch. 40

18

No. 6 bare copper wire.

Ground rod.

(1.2 m)

4'

(1.2 m)

18

Foundation (Plan)

(Work pad not shown.)

Lighting controller.

Foundations for electrical service installation shown.

Cut pole off for underground service and treat cut surface with preservative. Consult utility company standards for exact requirements.

Size larger as needed.

When cold sequencing is required, provide a meter disconnect switch as directed by Utility Company.

Foundations

(Plan)

Anchor rod.

For Pedestal mounting.

Control schematic.

Photocell with integral surge arrester.

Hand-Off-Auto selector switch.

100 amp*, electrically held contactor.

35 amp, 1-pole circuit breaker.

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

Surge arrester.

GFCI 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.

Transformer - 1KVA*, 480V primary, 120/240V secondary, single-phase, 60Hz.

15 amp, 2-pole circuit breaker.

60 amp*, 2-pole circuit breaker.

Terminal block sized for conductors as shown on plans.

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

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