



ELECTRIC SERVICE INSTALLATION

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

LIGHTING CONTROLLER

FOUNDATION (PLAN)

(Work pad not shown.)

ANCHOR ROD DETAIL

CONTROL SCHEMATIC

- ① Photocell with integral surge arrester.
- ② HAND-OFF-AUTO selector switch.
- ③ 100 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, 100 amp*, fused at 100 amp*, solid neutral in NEMA 3R enclosure having lockable external handle.
- ⑪ Transformer - 1KVA*, 480V primary, 120/240V secondary, single-phase, 60Hz.
- ⑫ 15 amp, 2-pole circuit breaker.
- ⑬ 100 amp*, 2-pole circuit breaker.

* Size larger as needed.

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

FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING CONTROLLER 480V, BASE MOUNTED, SOUTH TRI LEVEL	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Si\Projects\403-00072.51-70\den\5 Trl\Lighting detail.dgn		DRAWN -	REVISED -			57/70	(25-3)-6	EFFINGHAM	1416	413	
PLOT SCALE = 40,0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 74293					
PLOT DATE = 3/19/2010		DATE -	REVISED -			SCALE:	SHEET NO. 24 OF 34 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT