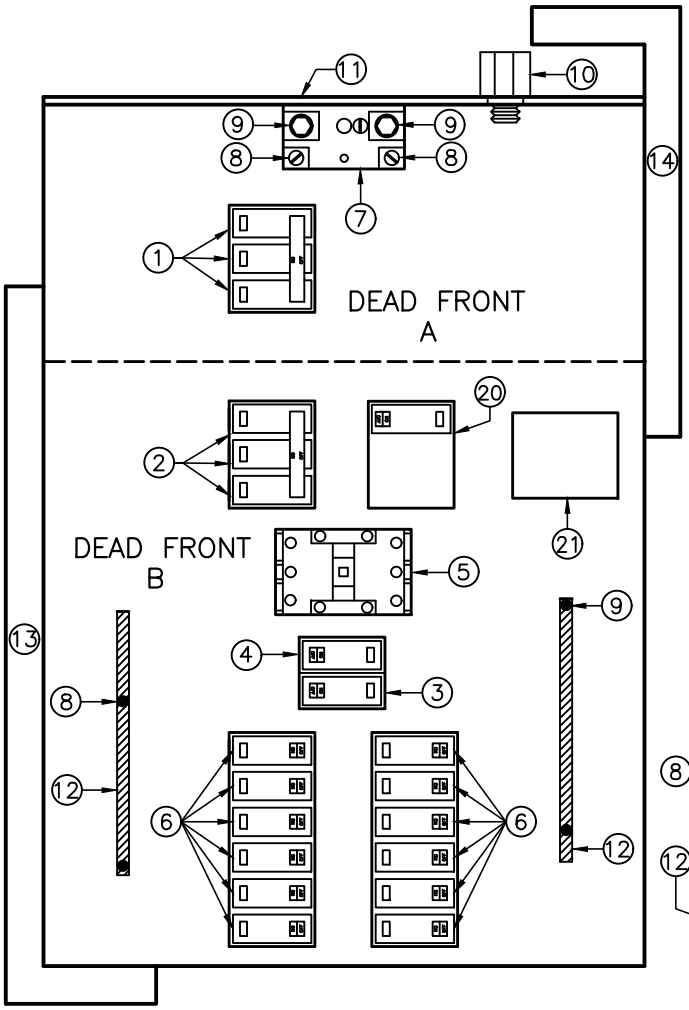
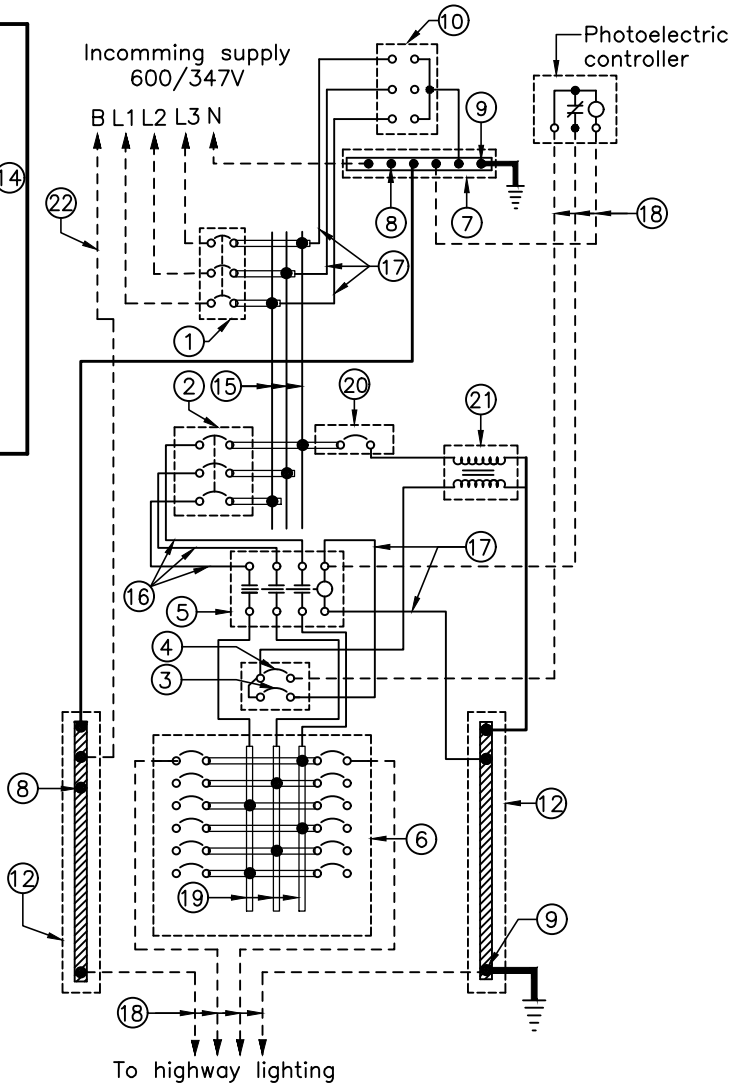
## EQUIPMENT LAYOUT




## SCHEMATIC WIRING DIAGRAM




## ELECTRICAL EQUIPMENT LIST

1. Main circuit breaker – 600V, 100A, 3–pole
2. Lighting circuit breaker – 600V, 60A, 3–pole
3. Circuit breaker used for relamping – 120/240V, 10A, 1–pole
4. Circuit breaker for photoelectric controller – 120/240V, 10A, 1–pole
5. Lighting contactor – 600V, 100A, 3–pole, 120V coil
6. Branch circuit breakers – 600/347V, 30A, 1–pole, number of breakers as specified
7. Solid neutral assembly – 100A minimum, copper
8. Ground lug for No. 6 AWG stranded copper ground wire
9. Ground lug for No. 2/0 AWG stranded copper ground wire
10. Secondary lightning arrester, 650V, 3–pole
11. Drip shield
12. Secondary neutral and ground bus according to CSA and as specified
13. Primary barrier
14. Secondary barrier
15. No. 3 AWG RWU90 wire or copper bus bar
16. No. 6 AWG RWU90 wire
17. No. 12 AWG RWU90 wire
18. Field wiring
19. Copper bus bar
20. Circuit breaker for transformer, 600V, 15A
21. 347/120V 75VA control transformer
22. Bonding (B) conductor required for metered services

## NOTE:

A This MTOD shall be read in conjunction with OPSD 2440.030, 2440.050, and 2440.060.

| MINISTRY OF TRANSPORTATION ONTARIO DRAWING | Sep 2025 | Rev | 1 |
|---|---|---|---|
| **SUPPLY CONTROL CABINET ASSEMBLY TYPE 2** 600/347V, 100A, 3–PHASE, 4–WIRE | DRAFT | | |
| | **MTOD 2440.021** | | |