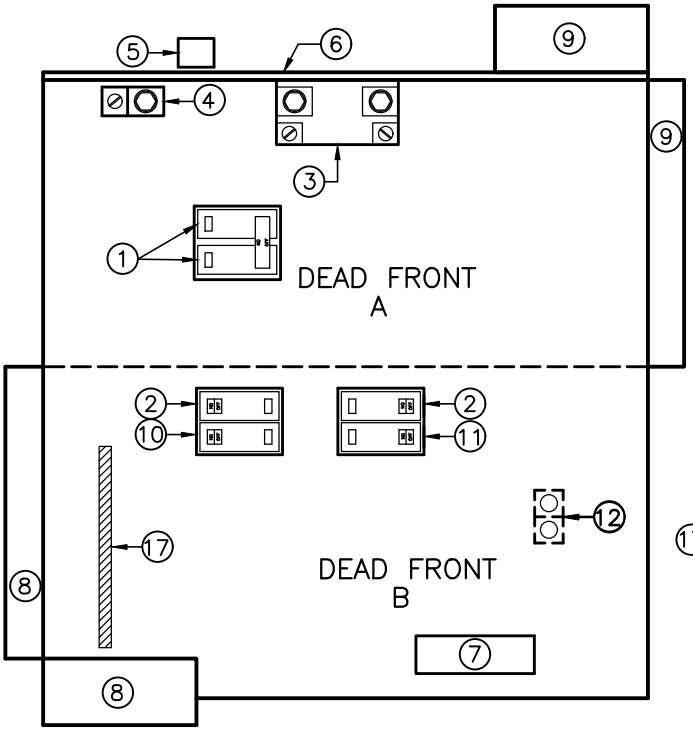
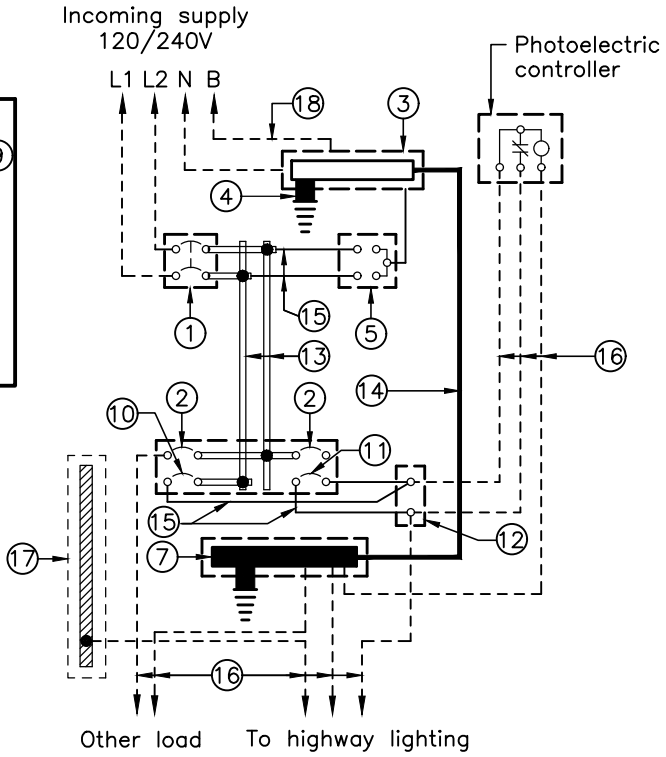
EQUIPMENT LAYOUT



SCHEMATIC WIRING DIAGRAM



ELECTRICAL EQUIPMENT LIST

1. Main circuit breaker – 100A, 2–pole
2. Branch circuit breakers – 1–pole
3. Solid neutral assembly – 100A minimum
4. Ground lug for No. 2/0 AWG stranded copper ground wire
5. Secondary lightning arrester – 650V, 2–pole
6. Drip shield
7. Branch circuit neutral
8. Primary barrier
9. Secondary barrier
10. Circuit breaker for photoelectric controller and lighting – 15A, 1–pole
11. Circuit breaker for relamping – 15A, 1–pole
12. Terminal block
13. Copper bus bar
14. No. 6 AWG RWU 90 wire
15. No. 12 AWG RWU 90 wire
16. Field wiring
17. Ground bus
18. Bonding (B) conductor required for metered service

NOTE:

A This MTOD shall be read in conjunction with OPSD 2441.010, 2441.020, and 2441.030.

MINISTRY OF TRANSPORTATION ONTARIO DRAWING	Sep 2025	Rev	5
SUPPLY CONTROL CABINET ASSEMBLY TYPE 3 120/240V, 100A, 1–PHASE, 3–WIRE	DRAFT		
	MTOD 2441.000		