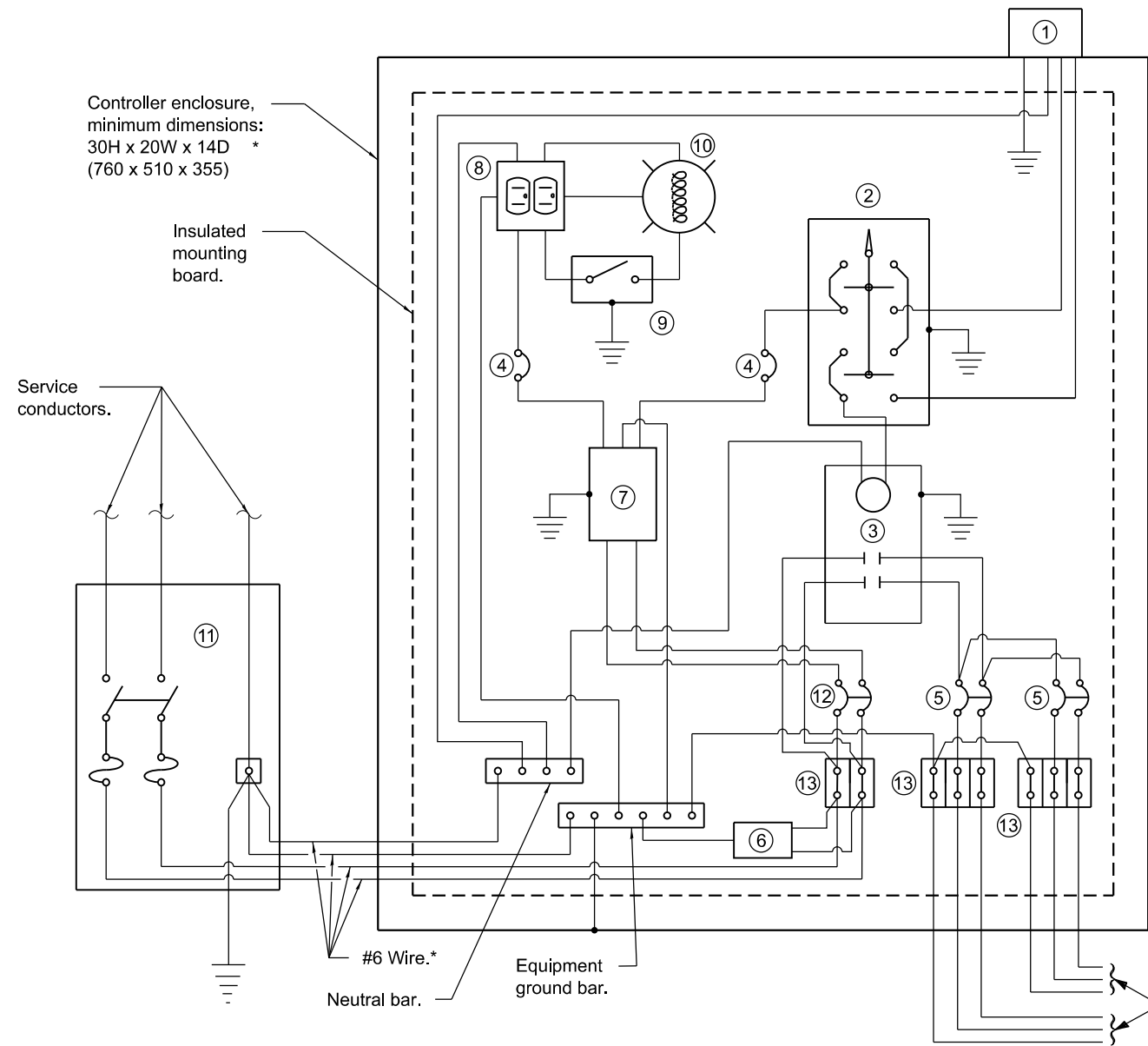


FRONT SIDE ELECTRIC SERVICE INSTALLATION

(Typical overhead service 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.



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 Transformer - 1KVA*, 480V primary, 120/240V secondary, single-phase, 60Hz.
 - ⑧ GFCI duplex receptacle.
 - ⑨ Single-pole, single-throw switch.
 - ⑩ Incandescent luminaire, enclosed and gasketed with 100 watt lamp.
 - ⑪ Service disconnect switch - 2-pole, 3-wire, 60 amp*, fused at 60 amp*, solid neutral in NEMA 4X enclosure having lockable external handle.
 - ⑫ 15 amp, 2-pole circuit breaker.
 - ⑬ Terminal block sized for conductors as shown on plans.
- * Size larger as needed.

GENERAL NOTES

Provide 12 x 9 x 1 (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.

Work pad not shown.

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

Illinois Department of Transportation

APPROVED January 1, 2019

ME Repetto
ELECTRICAL AND MECHANICAL UNIT CHIEF

APPROVED January 1, 2019

SEH
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-10

DATE	REVISIONS
1-1-19	Replaced ** note with new note regarding utility company standards.
	Made *** the ** note.
1-1-15	Added note ⑬.

LIGHTING CONTROLLER POLE MOUNTED, 480V

STANDARD 825006-03