

COMPANY SWITCH

1. The Company Switch shall be a specialized power distribution panel for the connection of portable electrical equipment in theaters, auditoriums and other entertainment venues.
2. The Company Switch must satisfy the requirements of NFPA 70 (National Electric Code) Article 384—Switchboards and Panel-boards, and Article 520—Theaters and Studios. Output panel connectors must specifically comply with Article 520-53(k) for Single-Pole Separable Connectors and Article 300-20(b), Induced Currents in Metal Enclosures. The entire assembly must be UL listed and labeled.
3. The Company Switch shall be a 24" W x 36" H x 9" d, NEMA 3R, wall mounted enclosure constructed of 14 gauge steel finished in matte black powder coating.
4. The main breaker shall be a UL listed, 100% equipment rated, continuous-duty circuit breaker utilizing a thermal magnetic over-current protective trip system. It shall have a CSA/UL short-circuit interrupting rating of 65KA at 240VAC. Breakers with AIC ratings of up to 200ka shall be available as an option.
5. All connections from the main breaker and the input lugs to the outlet receptacles shall be made with copper buss bar. The grounding connection shall be made to the main cabinet frame. Cabinets can be factory wired to provide an isolated ground. Service input to the cabinet shall be 120/208 VAC, three phase, 4 wire + ground.
6. Phase indicator lamps shall be mounted in a clearly visible location on the front panel of the enclosure. A safety interlock mechanism shall prevent the door to the enclosure from being opened if the breaker is on. An additional locking mechanism shall allow a padlock or lockout tag to secure the breaker in the OFF position. An optional keyed lock shall be available in place of the latch securing the enclosure door.
7. The NEC mandated warning advising the proper sequence for connecting and disconnecting single pole separable connectors shall be permanently printed on the front of the enclosure.
8. The Company Switch shall be Hi-Pot tested at 1250VAC for no less than 10 seconds.
9. Provide non-ferrous output panel at the bottom of the enclosure with one of the following options:

For 100A or 200A switches provide:

-C (5) Panel Mount receptacles (Cam-lok, E1016 or equal) with snap-back covers.

-C/BW (5) Panel Mount receptacles (Cam-lok E1016 or equal) with snap-back covers and (5) internal lugs for bare-wire cable connections with individual strain relief fittings for each load cable.

For 400A switches provide:

-C (6) Panel Mount receptacles (Cam-lok, E1016 or equal) with snap-back covers.

-C/BW (6) Panel Mount receptacles (Cam-lok E1016 or equal) with snap-back covers and (6) internal lugs for bare-wire cable connections with individual strain relief fittings for each load cable.

10. Provide a quantity of ___ 100A Company Switches as manufactured by Stagecraft Industries, Inc. or approved equal.

Provide a quantity of ___ 200A Company Switches as manufactured by Stagecraft Industries, Inc. or approved equal.

Provide a quantity of ___ 400A Company Switches as manufactured by Stagecraft Industries, Inc. or approved equal.