

SELECTIVE COORDINATION REQUIREMENTS INSPECTION FORM

ISSUED BY: _____

This form provides documentation to assure compliance with the following NFPA 70, National Electrical Code® requirements for selective coordination found directly in articles **620, 700, 701 & 708**, and indirectly in article **517**.

JOB #: _____ NAME: _____

LOCATION: _____ FIRM: _____

COMPLIANCE CHECKLIST

Several sections in the Code require all supply side overcurrent protective devices to be selectively coordinated in the circuits supplying life-safety-related loads. These loads are those supplied by elevator circuits (620.62), emergency systems (700.9(B)(5)(b) Exception & 700.27), legally required standby systems (701.18), and critical operations power systems (708.54). These requirements have been taken into account and the installation has been designed to meet the following sections for the normal and alternate circuit paths to the loads. (Check all that apply).

1. Verify Selective Coordination for the System Type -

ARTICLE 620 – ELEVATORS, DUMBWAITERS, ESCALATORS, MOVING WALKWAYS, WHEELCHAIR LIFTS AND STAIRWAY CHAIR LIFTS YES NO N/A

620.62 Selective Coordination. Where more than one driving machine disconnecting means is supplied by a single feeder, the overcurrent devices in each disconnecting means shall be selectively coordinated with any other supply side overcurrent protective devices.

ARTICLE 700 – EMERGENCY SYSTEMS YES NO N/A

700.27 Coordination. Emergency systems overcurrent devices shall be selectively coordinated with all supply side overcurrent protective devices.

(exception for single devices on the primary and secondary of a transformer and 2 devices of the same ampere rating in series)

ARTICLE 701 – LEGALLY REQUIRED STANDBY SYSTEMS YES NO N/A

701.18 Coordination. Legally required standby system(s) overcurrent devices shall be selectively coordinated with all supply side overcurrent protective devices.

(exception for single devices on the primary and secondary of a transformer and 2 devices of the same ampere rating in series)

ARTICLE 708 – CRITICAL OPERATIONS POWER SYSTEMS (COPS) YES NO N/A

708.54 Coordination. Critical operations power system(s) overcurrent devices shall be selectively coordinated with all supply side overcurrent protective devices.

ARTICLE 517 – HEALTHCARE FACILITIES YES NO N/A

517.26 Application of Other Articles. The essential electrical system shall meet the requirements of Article 700, except as amended by Article 517.

(Article 517 does not amend the selective coordination requirements of Article 700)

2. Verify Selective Coordination for the Overcurrent Protective Device Type -

FUSE SYSTEM – YES NO N/A

- Manufacturer's fuse selectivity ratio guide was consulted (Short-circuit current calculations are not necessary if available short-circuit current is less than or equal to 200kA.)

CIRCUIT BREAKER SYSTEM – YES NO N/A

- Completed time current characteristic curves coordination study: Includes integrating the short-circuit current analysis at necessary points in the system, plots of time-current curves, and analysis/interpretation of the curves to ensure selective coordination is achieved.

Short-circuit current calculations were performed for all points where circuit breakers are applied.

- Manufacturer's selective coordination tables were consulted: Selective coordination is achieved by comparing the available short-circuit currents to the specific circuit breaker to circuit breaker selective coordination values in the manufacturer's tables. Short-circuit current calculations were performed for all points where circuit breakers are applied.

Signature _____ Date

P.E. Seal