SELECTIVE COORDINATION INSPECTION FORM

This form provides documentation to assure compliance with the following 2014 NFPA 70, National Electrical Code® requirements for selective coordination found in articles 620, 645, 695, 700, 701, 708 and “coordination” per article 517.

JOB #: ____________________________________________ NAME: ____________________________________________
LOCATION: _________________________________________ FIRM: _____________________________________________

COMPLIANCE CHECKLIST

1. Selective Coordination Definition – Article 100

“Coordination (Selective). The localization of an overcurrent condition to restrict outages to the circuit or equipment affected, accomplished by the selection and installation of overcurrent protective devices and their ratings or settings for the full range of available overcurrents, from overload to the maximum available fault current, and for the full range of overcurrent protective device opening times associated with those overcurrents.”

2. Verify Selective Coordination Requirements

ARTICLE 620 – ELEVATORS, DUMBWAITERS, ESCALATORS, MOVING WALKWAYS, WHEELCHAIR LIFTS AND STAIRWAY CHAIR LIFTS

620.62 Selective Coordination. Requires the overcurrent devices in each disconnecting means to be selectively coordinated with any other supply sided overcurrent protective devices where more than one driving machine disconnecting means is supplied by a single feeder.

ARTICLE 645 – INFORMATION TECHNOLOGY EQUIPMENT

645.27 Selective Coordination. Requires critical operations data system(s) overcurrent devices to be selectively coordinated with all supply side overcurrent protective devices.

ARTICLE 695 – FIRE PUMPS

695.3(C) Multibuilding Campus-Style Complexes.
(3) Selective Coordination. Requires the overcurrent protective device(s) in each disconnecting means to be selectively coordinated with any other supply-side overcurrent protective device(s).

ARTICLE 700 – EMERGENCY SYSTEMS

700.28 Selective Coordination. Requires emergency systems overcurrent devices to be selectively coordinated with all supply side overcurrent protective devices.

ARTICLE 701 – LEGALLY REQUIRED STANDBY SYSTEMS

701.27 Selective Coordination. Requires legally required standby system(s) overcurrent devices to be selectively coordinated with all supply side overcurrent protective devices.

ARTICLE 708 – CRITICAL OPERATIONS POWER SYSTEMS (COPS)

708.54 Selective Coordination. Requires critical operations power system(s) overcurrent devices to be selectively coordinated with all supply side overcurrent protective devices.

ARTICLE 517 – HEALTHCARE FACILITIES

517.30 Essential Electrical Systems for Hospitals.
(G) Coordination. Requires overcurrent protective devices serving the essential electrical system to be coordinated for the period of time that a fault’s duration extends beyond 0.1 second.

Informational Note: The terms coordination and coordinated as used in this section do not cover the full range of overcurrent conditions.

3. Verify Selective Coordination Documentation

Per 620.62, 700.28, 701.27 and 708.54
Selective coordination is required to be selected by a licensed professional engineer or other qualified persons engaged primarily in the design, installation, or maintenance of electrical systems. The selection must be documented and made available to those authorized to design, install, inspect, maintain, and operate the system.

Note: Documentation can include short-circuit study, time-current curves, manufacturer selective coordination tables, and required types, ratings and settings of overcurrent protection devices to achieve selective coordination.

_________________________ Signature _________________________ Date