

Amendment 1 Version 1 to CB 120832 – SDCI Construction Codes ORD

Sponsor: Councilmember Morales

Technical Corrections

Effect: This would make technical corrections identified by the Seattle Department of Construction and Inspections (SDCI) to three attachments to Council Bill 120832. Specifically, it would:

- Amend Attachment B (2021 Seattle Building Code) to (1) align Sections 403.3.2 and 403.3.3. with the 2021 Seattle Fire Code, and (2) edit language in Section 3009.3 to accurately reflect SDCI’s process for processing elevator inspection reports.
- Amend Attachment C (2023 Seattle Electrical Code) to (1) include Section 700.32 regarding emergency systems that was inadvertently omitted, and (2) to amend Section 701.32 regarding an exception for overcurrent protective devices.
- Amend Attachment I (2021 Seattle Residential Code) to require that all townhouse units include fire sprinkler systems, consistent with the 2018 Seattle Residential Code.

All changes this amendment would make are shown in red.

1. Amend Sections 403.3.2 and 403.3.3 in Attachment B (2021 Seattle Building Code) to CB 120832, as follows:

[S][F] 403.3.2 Water supply to required fire pumps. In ~~all buildings that are more than 420 feet (128 m) in building height and~~ buildings of Type IVA and IVB construction that are more than 120 feet (36 576 mm) in *building height*, required fire pumps shall be supplied by connections to not fewer than two water mains located in different streets. Separate supply piping shall be provided between each connection to the water main and the pumps. Each connection and the supply piping between the connection and the pumps shall be sized to supply the flow and pressure required for the pumps to operate.

Exception: Two connections to the same main shall be permitted provided that the main is valved such that an interruption can be isolated so that the water supply will continue without interruption through not fewer than one of the connections.

[S][F] 403.3.3 Secondary water supply. An *automatic* secondary on-site water supply having a capacity providing the lesser of a net volume of 33,000 gallons or a volume that is not less than the hydraulically calculated sprinkler demand, including the hose stream requirement, shall be provided for *high-rise buildings* assigned to *Seismic Design Category C, D, E or F* as determined by Section 1613. An additional fire pump shall not be required for the secondary water supply unless needed to provide the minimum design intake pressure at the suction side of the fire pump supplying the

automatic sprinkler system. The secondary water supply shall have a duration of not less than 30 minutes as determined by the occupancy hazard classification in accordance with NFPA 13, unless another duration is required by the fire code official.

2. Amend Section 3009.3 in Attachment B (2021 Seattle Building Code) to CB 120832, as follows:

IS 3009.3 Inspection report by building official. After each required inspection of a conveyance the *building official* shall ~~mail~~ upload a copy of the inspection report to the ~~owner of Seattle Services Portal for~~ the conveyance inspected. If inspection shows a conveyance to be in violation of the requirements of this chapter, the building official shall ~~issue a notice in writing listing~~ upload the corrections ~~to be made to~~ required to bring the conveyance into compliance with this chapter and is authorized to order the operation thereof discontinued until the corrections are made.

The owner upon upload of inspection report shall complete all corrections within 90 days. The owner or owner's authorized agent shall notify the building official in writing when deficiencies are corrected.

3. Add a new Section 700.32 to Attachment C (2023 Seattle Electrical Code) to CB 120832, as follows:

A 700.32 Selective Coordination.

N (A) General. Emergency overcurrent protective devices (OCPDs) shall be selectively coordinated with all supply-side and load-side OCPDs.

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

N (B) Replacements. Where emergency system(s) OCPDs are replaced, they shall be reevaluated to ensure selective coordination is maintained with all supply-side and load-side OCPDs.

A (C) Modifications. If modifications, additions, or deletions to the emergency system(s) occur, selective coordination of the emergency system(s) OCPDs with all supply-side and load-side OCPDs shall be reevaluated.

Exception No. 1: Selective coordination shall not be required between two overcurrent devices located in series if no loads are connected in parallel with the downstream device.

Exception No. 2: When an electrical engineer provides stamped and signed time current curves, the overcurrent protective devices in each disconnecting means may be selectively coordinated with any other supply side overcurrent protective devices for faults with a duration of 0.1 seconds and longer.

Exception No. 3 to (A), (B) and (C): Selective coordination shall not be required for emergency overcurrent protective devices installed prior to June 1, 2006.

4. Amend Section 701.32 in Attachment C (2023 Seattle Electrical Code) to CB 120832, as follows:

Δ 701.32 Selective Coordination.

N (A) General. Legally required standby system(s) overcurrent protective devices (OCPDs) shall be selectively coordinated with all supply-side and load-side OCPDs. Selective coordination shall be selected by a licensed professional engineer or other qualified persons engaged primarily in the design, installation, or maintenance of electrical systems. The selection shall be documented and made available to those authorized to design, install, inspect, maintain, and operate the system.

N (B) Replacements. Where legally required standby OCPDs are replaced, they shall be reevaluated to ensure selective coordination is maintained with all supply-side and load-side OCPDs.

Δ (C) Modifications. If modifications, additions, or deletions to the legally required standby system(s) occur, selective coordination of the legally required system(s) OCPDs with all supply-side and load-side OCPDs shall be reevaluated.

Exception No. 1: Selective coordination shall not be required between two overcurrent devices located in series if no loads are connected in parallel with the downstream device.

Exception No. 2: When an electrical engineer provides stamped ~~fault current calculations and signed time current curves~~, the overcurrent protective devices in each disconnecting means may be selectively coordinated with any other supply side overcurrent protective devices for faults with a duration of 0.1 seconds and longer.

Exception No. 3 to (A), (B) and (C): Selective coordination shall not be required for legally required standby overcurrent protective devices installed prior to June 1, 2006.

5. Amend Section R313 in Attachment I (2021 Seattle Residential Code) to CB 120832, as follows:

Section R313 AUTOMATIC FIRE SPRINKLER SYSTEMS

[W][S] R313.1 Townhouse automatic fire sprinkler systems. An automatic residential fire sprinkler system shall be installed in ~~((townhouses))~~ a townhouse unit.

Exceptions:

~~1.~~ An automatic residential fire sprinkler system shall not be required where *additions or alterations* are made to an existing ~~((townhouses))~~ townhouse unit that does not have an automatic residential fire sprinkler system installed.

~~2. Townhouse buildings containing not more than four townhouse units.~~

Ho
Land Use Committee
September 18, 2024
D1

[W] R313.1.1 Design and installation. Automatic residential fire sprinkler systems for ~~((townhouses))~~ a townhouse unit shall be designed and installed in accordance with Section P2904 or NFPA 13D.