CR103 State of Washington changes not previously covered (State of Washington Existing Amendments Report)

Note: Most of these State of Washington changes reflect the State's choice to adopt the 2024 model code section in lieu of a 2021 Washington State Amendment. The State and Seattle often "pre adopt" future model code amendments. When the model code changes are finally incorporated into the model code edition, the pre adopted amendments need to be removed; there is no change in the technical code requirements. The "bolded" text have technical changes or are relocations and will be discussed. We will discuss some but not all of these changes because they are "editorial" in our CCAB meeting. Certainly, if you have questions about any of these we can discuss them.

Custodial Care Definition (Shown: Proposed text from 2024 IBC)

[BG] CUSTODIAL CARE. Describes *persons* who receive assistance with day-to-day living tasks such as cooking, taking medication, bathing, using toilet *facilities* and other tasks of daily living. *Custodial care* includes *persons* receiving care who have the ability to respond to emergency situations and may receive *limited verbal or physical assistance*. These care recipients may evacuate at a slower rate and/or who have mental and psychiatric complications.

[W]Efficiency Dwelling Unit definition (not adopted)

((~~[W][BG] DWELLING UNIT, EFFICIENCY. A *dwelling unit* where all permanent provisions for living, sleeping, eating and cooking are contained in a single room.~~))Not adopted.

Limited Verbal or Physical Assistance definition (Shown: Proposed text from 2024 IBC)

[BG] LIMITED VERBAL OR PHYSICAL ASSISTANCE. Describes persons who, because of age, physical limitations, cognitive limitations, treatment or chemical dependency, may not independently recognize, respond or evacuate without limited verbal or physical assistance during an emergency situation. Limited verbal assistance includes prompting, giving and repeating instructions. Limited physical assistance includes assistance with transfers to walking aids or mobility devices and assistance with egress.

310.3 Residential Group R-2 (Shown: Proposed text from 2024 IBC with carried over amendment)

[W]310.3 Residential Group R-2. Residential Group R-2 occupancies containing *sleeping units* or more than two *dwelling units* where the occupants are primarily permanent in nature, including:

Apartment houses
Congregate living facilities (nontransient) with more than 16 occupants
Boarding houses (nontransient)
Convents
Dormitories
Emergency services living quarters
Fraternities and sororities
Monasteries
Hotels (nontransient) with more than five guest rooms
((~~Live/work units~~)) <u>Buildings that contain three or more live/work units</u>

Motels (nontransient) with more than five guest rooms
Vacation timeshare properties

503.1.4.1 Enclosures over occupiable roofs (Shown: Proposed text from 2024 IBC)

[S]503.1.4.1 ((~~Enclosures over~~)) Enclosure of occupiable roof areas. Elements or *structures* enclosing the occupiable roof areas shall not extend more than 48 inches (1220 mm) above the surface of the occupiable roof.
Exceptions:

1. *Penthouses* constructed in accordance with Section 1511.2 and towers, domes, spires and cupolas constructed in accordance with Section 1511.5.
2. Elements or *structures* enclosing the *occupiable roof* areas where the *roof deck* is located more than 75 feet (22 860 mm) above the lowest level of fire department vehicle access.

503.1.4.2 Guards

[W] 503.1.4.2 Guards. Occup~~ied~~iableroofs shall have guards in accordance with Section 1015.2.

508.5.1 Limitations (live-work) (Shown: Proposed text from 2024 IBC)

508.5.1 Limitations. The following shall apply to live/work areas:

1. The *live/work unit* is permitted to be not greater than 3,000 square feet (279 m_2) in area.

2. The nonresidential area is permitted to be not more than 50 percent of the area of each *live/work unit*.

3. The nonresidential area function shall be limited to the first or main floor only of the *live/work unit*.

510.2 Horizontal building separation allowance(Shown: 2024 SBC text w/existing Seattle amendments)

[S] 510.2 Horizontal building separation allowance. A *building* shall be considered as separate and distinct *buildings* for the purpose of determining area limitations, continuity of *fire walls*, limitation of number of *stories* and type of construction where the following conditions are met:

1. The *buildings* are separated with a *horizontal assembly* having a *fire-resistance rating* of not less than 3 hours. Where a *horizontal assembly* contains vertical offsets, the vertical offset shall be constructed as a fire barrier in accordance with Section 707 and shall have a *fire-resistance rating* of not less than 3 hours.
2. The *building* below, including the *horizontal assembly* and any associated vertical offsets, is of Type IA construction.
3. *Shaft*, *stairway, ramp* and escalator enclosures through the *horizontal assembly* shall have not less than a 2-hour *fire-resistance rating* with opening protectives in accordance with Section 716.

Exception: Where the enclosure walls below the *horizontal assembly* have not less than a 3-hour *fire-resistance rating* with opening protectives in accordance with Section 716, the enclosure walls extending above the *horizontal assembly* shall be permitted to have a 1-hour *fire-resistance rating*, provided that the following conditions are met:

1. The building above the horizontal assembly is not required to be of Type I construction.
2. The enclosure connects fewer than four stories.
3. The enclosure opening protectives above the horizontal assembly have a fire protection rating of not less than 1 hour.

4. Interior exit stairways located within the Type IA *building* are permitted to be of combustible materials where the following requirements are met:

4.1The *building* above the Type IA *building* is of Type III, IV, or V construction.

4.2 The *stairway* located in the Type IA building is enclosed by 3-hour fire-resistance-rated construction with opening protectives in accordance with Section 716.

[S]5. The *building* or buildings above the *horizontal assembly* shall be ((~~Group A, B, M, R or S occupancies.~~)) any of the following occupancies:

5.1. One or more Group A occupancy uses, each with an occupant load of less than 300;

5.2. Group B;

5.3. Group I-1, Condition 2 licensed care facilities and residential treatment facilities;

5.4. Group M;

5.5. Group R;

5.6. Group S-2 parking garage used for the parking and storage of private motor vehicles; and

5.7. Uses incidental to the operation or serving occupants of the *building* (including entry lobbies, mechanical
rooms, storage areas and similar uses).

[S] 6. The building below the *horizontal assembly ((*~~shall be protected throughout by an *approved automatic sprinkler system* in accordance with Section 903.3.1.1, and shall be~~)) is permitted to be any occupancy allowed by this code except Group H.

7. The maximum *building height* in feet (mm) shall not exceed the limits set forth in Section 504.3 for the building having the smaller allowable height as measured from the *grade plane*.

[S] 8. All portions of the *buildings* above and below the three-hour *horizontal assembly* shall be protected throughout with an *automatic sprinkler system* that complies with Section 903.3.1.1.

[S]9. Where the construction type above the horizontal assembly is of Type V-A, III-A or IV-HT construction, occupied floors shall be not more than 75 feet above the lowest level of fire department vehicle access.

602.4.2.2.2 Protected area. (Shown: Proposed text from 2024 IBC) No technical change.

602.4.2.2.2 Protected area. Interior faces of *mass timber* elements, including the inside face of exterior *mass timber walls* and *mass timber roofs*, shall be protected in accordance with Section 602.4.2.2.1.

Exceptions: Unprotected portions of *mass timber* ceilings and walls complying with Section 602.4.2.2.4 and the following:

1. Unprotected portions of *mass timber* ceilings and walls complying with one of the following:
   1.1. Unprotected portions of *mass timber* ceilings, including attached beams, limited to an area less than or equal to 100 percent of the floor area in any *dwelling unit* within a *story* or fire area within a *story*.
   1.2. Unprotected portions of *mass timber* walls, including attached columns, limited to an area less than or equal to 40 percent of the floor area in any *dwelling unit* within a *story* or fire area within a *story*.
   1.3. Unprotected portions of both walls and ceilings of *mass timber*, including attached columns and beams, in any *dwelling unit* or fire area and in compliance with Section 602.4.2.2.3.
2. *Mass timber* columns and beams that are not an integral portion of walls or ceilings, respectively, without restriction of either aggregate area or separation from one another.

602.4.2.2.4 Separation distance between unprotected mass timber elements (Shown: Proposed text from 2024 IBC) No technical change.

602.4.2.2.4 Separation distance between unprotected *mass timber* elements. In each *dwelling unit* or *fire area*, unprotected portions of *mass timber* walls shall be not less than 15 feet (4572 mm) from unprotected portions of other walls measured horizontally along the floor.

602.4.2.3 Floors (Shown: Proposed text from 2024 IBC) No technical change.

602.4.2.3 Floors. The floor assembly shall contain a noncombustible material not less than 1 inch (25 mm) in thickness above the *mass timber*. Floor finishes in accordance with Section 804 shall be permitted on top of the noncombustible material. Except where unprotected *mass timber* ceilings are permitted in Section 602.4.2.2.2, the underside of floor assemblies shall be protected in accordance with Section 602.4.1.2.

602.4.4.3 Concealed spaces. (Shown: Proposed text from 2024 IBC) No technical change.

602.4.4.3 Concealed spaces. Concealed spaces shall not contain combustible materials other than building elements and electrical, mechanical, fire protection, or plumbing materials and equipment permitted in plenums in accordance with Section 602 of the International Mechanical Code. Concealed spaces shall comply with applicable provisions of Section 718. Concealed spaces shall be protected in accordance with one or more of the following:

1. The building shall be sprinklered throughout in accordance with Section 903.3.1.1 and automatic sprinklers shall also be provided in the concealed space.
2. The concealed space shall be completely filled with noncombustible insulation.
3. Combustible surfaces within the concealed space shall be fully sheathed with not less than 5/8-inch Type X gypsum board.

    Exception: Concealed spaces within interior walls and partitions with a 1-hour or greater fire-resistance rating complying with Section 2304.11.2.2 shall not require additional protection.

704.6.1 Secondary attachments to structural members. (Proposed text from 2024 IBC) No technical change.

704.5.1 Secondary attachments to structural members. Where primary and secondary structural steel members require fire protection, any additional structural steel members having direct connection to the *primary structural frame* or *secondary structural members* shall be protected with the same fire-resistive material and thickness as required for the structural member. The protection shall extend away from the structural member a distance of not less than 12 inches (305 mm), or shall be applied to the entire length where the attachment is less than 12 inches (305 mm) long. Where an attachment is hollow and the ends are open, the fire-resistive material and thickness shall be applied to both exterior and interior of the hollow steel attachment.

907.9 Reserved

909.21.12 Hoistway venting (not currently in Seattle code, not making state changes here)

1006.3.4 Single exit—Will be discussed in a future CCAB meeting.

1009.8 Two-way communication(Proposed text from 2024 IBC) No technical change.

1009.8 Two-way communication. A two-way communication system complying with Sections 1009.8.1 and 1009.8.2 shall be provided at the landing serving each elevator or bank of elevators on each accessible floor that is one or more *stories* above or below the *level of exit discharge*.

Exceptions:

1. Two-way communication systems are not required at the landing serving each elevator or bank of elevators where the two-way communication system is provided within *areas of refuge* in accordance with Section 1009.6.5.
2. Two-way communication systems are not required on floors provided with *ramps* conforming to the provisions of Section 1012.
3. Two-way communication systems are not required at the landings serving only service elevators that are not designated as part of the *accessible means of egress* or serve as part of the required *accessible route* into a *facility*.
4. Two-way communication systems are not required at the landings serving only freight elevators.

1009.8.1 System requirements. Proposed text from 2024 IBC) No technical change.

1009.8.1 System requirements. Two-way communication systems shall provide communication between each required location and the *fire command center* or a central control point location *approved* by the fire department. Where the central control point is not a *constantly attended location*, the two-way communication system shall have timed, automatic telephone dial-out capability that provides two-way communication with an *approved supervising station* or emergency services. The two-way communication system shall include both audible and visible signals. Systems shall be *listed* in accordance with UL 2525 and installed in accordance with NFPA 72.

1014.2.2 Lateral location. (Shown: Proposed text from 2024 IBC) No technical change.

1014.2.2 Lateral location. Handrails located outward from the edge of the walking surface of flights of stairways, ramps, stepped aisles, and ramped aisles shall be located within 6 inches (152.4 mm) measured horizontally from the edge of the walking surface. Handrails projecting into the width of the walking surface shall comply with Section 1014.8.

1015.2 Where required (Guards) (Shown: Proposed text from 2024 IBC) No technical change.

1015.2 Where required. *Guards* shall be located along open-sided walking surfaces, such as *mezzanines*, *equipment platforms*, *aisles*, *stairs*, *ramps* and landings, that are located more than 30 inches (762 mm) measured vertically to the floor or grade below at any point within 36 inches (914 mm) horizontally to the edge of the open side and at the perimeter of *occupiable roofs*. *Guards* shall be adequate in strength and attachment in accordance with Section 1607.9.

Exceptions: *Guards* are not required for the following locations:

1. On the loading side of loading docks or piers.
2. On the audience side of *stages* and raised *platforms*, including *stairs* leading up to the *stage* and raised *platforms*.
3. On raised *stage* and *platform* floor areas, such as runways, *ramps* and side *stages* used for entertainment or presentations.
4. At vertical openings in the performance area of *stages* and *platforms*.
5. At elevated walking surfaces appurtenant to *stages* and *platforms* for access to and utilization of special lighting or equipment.
6. Along vehicle service pits not accessible to the public.
7. In assembly seating areas at cross *aisles* in accordance with Section 1030.17.2.
8. On the loading side of station platforms on fixed guideway transit or passenger rail systems.

9. Portions of an *occupiable roof* located less than 30 inches (762 mm) measured vertically to adjacent unoccupiable roof areas where *approved guards* are present at the perimeter of the roof.
10. At portions of an *occupiable roof* where an *approved* barrier is provided.

~~**1101.2.1 Reserved**~~

~~**1101.2.3 Reserved**~~

1101.2.1 (ICC A117.1 Section 404.2.8 Door-opening force. No technical change.

1102.1.1(ICC A117.1 Section 404.2.8) Door-opening force. Fire doors and doors or gates required to be equipped with panic hardware, break away features or other factors requiring higher opening force for safety reasons shall have the minimum opening force allowable in scoping provisions adopted by the appropriate administrative authority. For other doors or gates, the force for pushing or pulling open doors or gates shall be as follows: 1. Interior hinged door: 5.0 pounds (22.2 N) maximum 2. Interior sliding or folding doors: 5.0 pounds (22.2 N) maximum 3. Exterior hinged, sliding or folding door: 10 pounds (44.4 N) maximum.
Exception: The force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position shall not apply to panic hardware, delayed egress devices or fire-rated hardware.

1110.2 Toilet and bathing facilities. Proposed text from 2024 IBC. No technical change.

1110.2 Toilet and bathing facilities. Each toilet room and bathing room shall be accessible. Where a floor level is not required to be connected by an *accessible route*, the only toilet rooms or bathing rooms provided within the *facility* shall not be located on the inaccessible floor. Except as provided for in Sections 1110.2.4 and 1110.2.5, at least one of each type of fixture, element, control or dispenser in each accessible toilet room and bathing room shall be accessible.
Exceptions:

1. Toilet rooms or bathing rooms accessed only through a private office, not for *common* or *public use* and intended for use by a single occupant, shall be permitted to comply with the specific exceptions in ICC A117.1.
2. This section is not applicable to toilet and bathing rooms located within *dwelling units* or *sleeping units* that are not required to be accessible by Section 1108.
3. Where multiple single-user toilet rooms or bathing rooms are clustered at a single location, at least 50 percent but not less than one room for each use at each cluster shall be accessible.
4. Where no more than one urinal is provided in a toilet room or bathing room, the urinal is not required to be accessible.
5. Toilet rooms or bathing rooms that are part of critical care or intensive care patient sleeping rooms serving *Accessible units* are not required to be accessible.
6. Toilet rooms or bathing rooms designed for bariatrics patients are not required to comply with the toilet room and bathing room requirement in ICC A117.1. The *sleeping units* served by bariatrics toilet or bathing rooms shall not count toward the required number of *Accessible sleeping units*.
7. Where permitted in Section 1108, in toilet rooms or bathrooms serving *Accessible* units, water closets designed for assisted toileting shall comply with Section 1110.2.2.
8. Where permitted in Section 1108, in bathrooms serving *Accessible* units, showers designed for assisted bathing shall comply with Section 1110.2.3.

9. Where toilet *facilities* are primarily for children's use, required accessible water closets, toilet compartments and lavatories shall be permitted to comply with children's provision of ICC A117.1.

1110.7.1 Minimum number (drinking fountains)—Relocation from 1110.5 to 1110.7

[W] 1110.~~((5))~~7.1 Minimum number. Not fewer than two drinking fountains shall be provided. One drinking fountain shall comply with the requirements for people who use a wheelchair and one drinking fountain shall comply with the requirements for standing persons.

Exceptions:

1. A single drinking fountain with two separate spouts that complies with the requirements for people who use a wheelchair and standing persons shall be permitted to be substituted for two separate drinking fountains.
2. Where drinking fountains are primarily for children's use, drinking fountains for people using wheelchairs shall be permitted to comply with the children's provisions in ICC A117.1 and drinking fountains for standing children shall be permitted to provide the spout at 30 inches (762 mm) minimum above the floor.
3. In all occupancies that require more than two drinking fountains per floor or secured area, bottle filling stations shall be allowed to be substituted in accordance with Section 2902.5.4.

1208 Dwelling unit size

[W] 1208.1 Minimum room widths. *Habitable* spaces, other than a kitchen, shall be not less than 7 feet (2134 mm) in any plan dimension. Kitchens shall have a clear passageway of not less than ((~~3 feet (914 mm)~~)) 30 inches between counter fronts and appliances or counter fronts and walls.

[W] ((~~1208.3 Dwelling unit size.~~ ~~*Dwelling units* shall have a minimum of 190 square feet (17.7 m2) of *habitable space*.~~)) Not adopted.

[W] 1208.4 Room area. Every *dwelling unit* shall have not less than one room that shall have not less than 120 square feet (11.2 m2) of *net floor area*. *Sleeping units* *((*~~and other habitable rooms of a *dwelling unit*~~))*shall have a *net floor area* of not less than 70 square feet (6.5 m2).

Exception: Kitchens are not required to be of a minimum floor area.

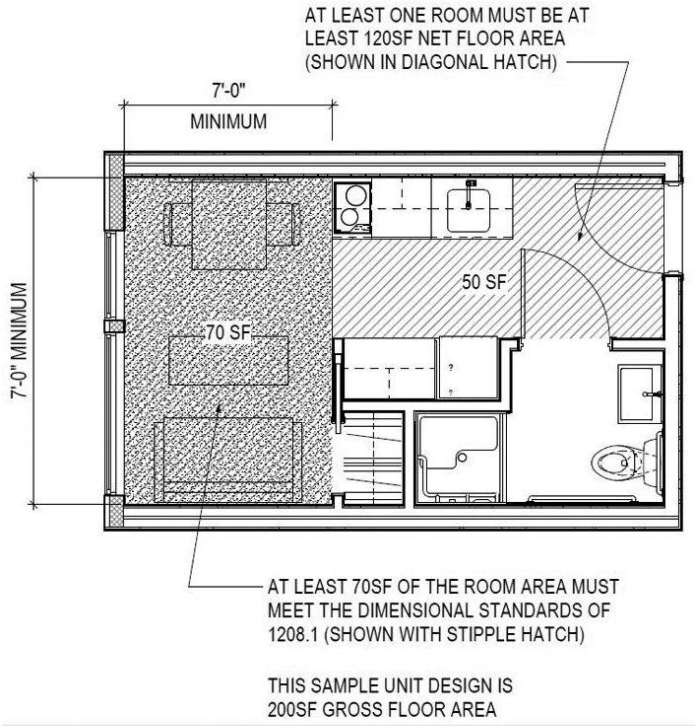


Figure 1208.4

[W]~~**((1208.5 Efficiency dwelling units.** *Efficiency dwelling units* shall conform to the requirements of the code except as modified herein:~~

~~1. The unit's *habitable space* shall comply with Sections 1208.1 through 1208.4.~~

~~2. The unit shall be provided with a separate closet.~~

~~3. For other than *Accessible*, Type A and Type B *dwelling units*, the unit shall be provided with a kitchen sink, cooking appliance and refrigerator, each having a clear working space of not less than 30 inches (762 mm) in front. Light and *ventilation* conforming to this code shall be provided.~~

~~4. The unit shall be provided with a separate bathroom containing a water closet, lavatory and bathtub or shower.))~~

Not adopted.

1613.7 Amendments to ASCE 7.

[W] 1613.7 Amendments to ASCE 7. The provisions of Section 1613.7 shall be permitted as an amendment to the relevant provisions of ASCE 7. The text of ASCE 7 shall be amended as indicated in Sections 1613.7.1 through 1613.7.2.

[W]1613.7.1 ASCE 7 Section 12.2.5.4. Amend ASCE 7 Section 12.2.5.4 as follows:

12.2.5.4 Increased Structural Height Limit for Steel Eccentrically Braced Frames, Steel Special Concentrically Braced Frames, Steel Buckling-Restrained Braced Frames, Steel Special Plate Shear Walls, and Special Reinforced Concrete Shear Walls. The limits on height, *hn*, in Table 12.2-1 are permitted to be increased from 160 ft (50 m) to 240 ft (75 m) for structures assigned to Seismic Design Categories D or E and from 100 ft (30 m) to 160 ft (50 m) for

structures assigned to Seismic Design Category F, provided that the seismic force-resisting systems are limited to steel eccentrically braced frames, steel special concentrically braced frames, steel buckling-restrained braced frames, steel special plate shear walls, or special reinforced concrete cast-in-place shear walls and all of the following requirements are met:

1. The structure shall not have an extreme torsional irregularity as defined in Table 12.3-1 (horizontal structural irregularity Type 1b).
2. The steel eccentrically braced frames, steel special concentrically braced frames, steel buckling-restrained braced frames, steel special plate shear walls or special reinforced concrete shear walls in any one plane shall resist no more than 60 percent of the total seismic forces in each direction, neglecting accidental torsional effects.
3. Where floor and roof diaphragms transfer forces from the vertical seismic force-resisting elements above the diaphragm to other vertical force-resisting elements below the diaphragm, these in plane transfer forces shall be amplified by the overstrength factor, Ωo, for the design of the diaphragm flexure, shear, and collectors.
4. The earthquake force demands in foundation mat slabs, grade beams, and pile caps supporting braced frames and/or walls arranged to form a shear-resisting core shall be amplified by 2 for shear and 1.5 for flexure. The redundancy factor, ρ, applies and shall be the same as that used for the structure in accordance with Section 12.3.4.

1705.13.6 Plumbing, mechanical and electrical components . (Shown: Proposed text from 2024 IBC).

[S]1705.13.6 Plumbing, mechanical and electrical components. *Periodic special inspection* of plumbing, mechanical and electrical components shall be required for the following:

1. Anchorage of electrical equipment for emergency and *standby power systems* in *structures* assigned to *Seismic Design Category* C, D, E or F.
2. Anchorage of other electrical equipment in *structures* assigned to *Seismic Design Category* E or F.
3. Installation and anchorage of piping systems designed to carry *hazardous materials* and their associated mechanical units in structures assigned to Seismic Design Category C, D, E or F.
4. Installation and anchorage of ductwork designed to carry *hazardous materials* in *structures* assigned to *Seismic Design Category* C, D, E or F.
5. Installation and anchorage of vibration isolation systems in *structures* assigned to *Seismic Design Category* C, D, E or F where the *approved construction documents* require a nominal clearance of 1/4 inch (6.4 mm) or less between the equipment support frame and restraint.
6. Installation of mechanical and electrical equipment, including duct work, piping systems and their structural supports, where *automatic sprinkler systems* are installed in *structures* assigned to *Seismic Design Category* C, D, E or F to verify one of the following:
   6.1. Minimum clearances have been provided as required by Section 13.2.4 ASCE/SEI 7.

6.2. A nominal clearance of not less than 3 inches (76 mm) has been ((~~be~~)) provided between *automatic sprinkler system* drops and sprigs and: structural members not used collectively or independently to support the sprinklers; equipment attached to the *building structure*; and other systems' piping.

2405.3 Screening . Shown: Proposed text from 2024 IBC.

2405.3 Screening. Broken glass retention screens, where required, shall be capable of supporting twice the weight of the glazing, firmly and substantially fastened to the framing members and installed within 4 inches (102 mm) of the glass. The screens shall be constructed of a noncombustible material not thinner than No. 12 B&S gage (0.0808 inch) with mesh not larger than 1 inch by 1 inch (25 mm by 25 mm). In a corrosive atmosphere, structurally equivalent noncorrosive screen materials shall be used.

3006.3 General (See Chapter 7 and Chapter 30 Elevator Code Draft)

3115 Fixed guideway transit and passenger rail systems. No technical changes--relocated from 2021 Section 3116.

3116 Now: Reserved. See above.

Appendix P Reserved

Appendix Q Construction and demolition material management (Seattle doesn't adopt)

Appendix U Temporary Emergency Shelters Appendix (Seattle won't adopt)