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Valley County Board of County Commissioners

Cynda Herrick, AICP, CFM, Planning & Zoning Administrator of Valley County

Annette Derrick, Valley County Building Official

219 North Main Street
P.O. Box 1350
Cascade, Idaho 83611

Subject: Valley County Code Amendment to the International Building Code in Title 6 of the Valley County Ordinance – To allow an additional story to Group R-1 and R-2 Facilities with Type V-A Wood Construction

Dear Board of County Commissioners, Ms. Herrick,

This letter serves as a cover for the Board of County Commissioners as a request to review and approve a Code Amendment to the International Building Code (IBC) in Title 6 of the Valley County Ordinance to allow an additional story to Group R-1 and R-2 occupancy classifications with Type V-A wood construction.

Currently in the IBC, Type V-A allows for four (4) stories of wood construction. This amendment will allow to allow for an additional story with Type V-A wood construction to the above noted Group R-1 and R-2 Occupancy classifications by requiring interior exit stairways to be pressurized to certain standards and for emergency standby power be provided.

This amendment would bring Valley County in line with other national jurisdictions. Those notably include the City of Boise and our neighboring State of Washington. Donnelly Fire has reviewed this amendment and is comfortable with its inclusion into the Valley County Ordinance.

The specific amendment language that would be added the Valley County Ordinance Appendix 6-1-19 is as follows:

Stair enclosure pressurization increase. For Group R-1 and R-2, licensed in buildings of Type VA construction equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1, the maximum number of stories permitted in Section 504.4 may be increased by one provided the interior exit stairways and ramps are pressurized in accordance with Sections 909.6.3 and 909.20. Legally

required standby power shall be provided in accordance with Sections 909.11 and 2702.2.16 for buildings constructed in compliance with this section and be connected to stairway shaft pressurization equipment, elevators and lifts used for accessible means of egress (if provided), elevator hoistway pressurization equipment (if provided) and other life safety equipment as determined by the authority having jurisdiction. For the purposes of this section, legally required standby power shall comply with 2017 NEC Section 701.12, options (A), (B), (C), (D), (F), or (G) or subsequent revised section number(s).

In order to ensure there is adequate protection to the standby power equipment that is noted above, an additional amendment to Table 509 – Incidental Uses of the IBC is required.

See highlighted amended language in yellow below:

TABLE 509 INCIDENTAL USES

Room or Area	Separation and/or Protection
Furnace room where any piece of equipment is over 400,000 Btu per hour input	1 hour or provide automatic sprinkler system
Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower	1 hour or provide automatic sprinkler system
Refrigerant machinery room	1 hour or provide automatic sprinkler system
Hydrogen fuel gas rooms, not classified as Group H	1 hour in Group B, F, M, S and U occupancies; 2 hours in Group A, E, I and R occupancies.
Incinerator rooms	2 hours and provide automatic sprinkler system
Paint shops, not classified as Group H, located in occupancies other than Group F	2 hours; or 1 hour and provide automatic sprinkler system
In Group E occupancies, laboratories and vocational shops not classified as Group H	1 hour or provide automatic sprinkler system
In Group I-2 occupancies, laboratories not classified as Group H	1 hour and provide automatic sprinkler system
In ambulatory care facilities, laboratories not classified as Group H	1 hour or provide automatic sprinkler system
Laundry rooms over 100 square feet	1 hour or provide automatic sprinkler system
In Group I-2, laundry rooms over 100 square feet	1 hour
Group I-3 cells and Group I-2 patient rooms equipped with padded surfaces	1 hour
In Group I-2, physical plant maintenance shops	1 hour
In ambulatory care facilities or Group I-2 occupancies, waste and linen collection rooms with containers that have an aggregate volume of 10 cubic feet or greater	1 hour
In other than ambulatory care facilities and Group I-2 occupancies, waste and linen collection rooms over 100 square feet	1 hour or provide automatic sprinkler system
In ambulatory care facilities or Group I-2 occupancies, storage rooms greater than 100 square feet	1 hour
Stationary storage battery systems having an energy capacity greater than the threshold quantity specified in Table 1206.2 of the <i>International Fire Code</i>	1 hour in Group B, F, M, S and U occupancies; 2 hours in Group A, E, I and R occupancies.
Electrical installations and transformers	See Sections 110.26 through 110.34 and Sections 450.8 through 450.48 of NFPA 70 for protection and separation requirements.
Dry type transformers over 112.5 kVA and required to be in a fire resistant room per NEC (NFPA 70) Section 450.21	1 hour or provide automatic sprinkler system

For SI: 1 square foot = 0.0929 m², 1 pound per square inch (psi) = 6.9 kPa, 1 British thermal unit (Btu) per hour = 0.293 watts, 1 horsepower = 746 watts, 1 gallon = 3.785 L, 1 cubic foot = 0.0283 m³.

- a. Dry type transformers rated over 35,000 volts and oil-insulated transformers shall be installed in a transformer vault complying with NFPA 70.

Thank you for your consideration.