



STATE OF WASHINGTON
STATE BUILDING CODE COUNCIL

2018 Washington State Energy Code Development
Standard Energy Code Proposal Form

Code being amended: [X] Commercial Provisions [ ] Residential Provisions
(A MS Word version of the code is linked to the name)

Code Section # C402.4.1.4 Increased vertical fenestration area with high performance mechanical systems

Brief Description:

Delete this section to eliminate allowance for extra glazing area for DOAS buildings.

Proposed code change text:

~~C402.4.1.4 Increased vertical fenestration area with high performance mechanical systems. The vertical fenestration area (not including opaque doors and opaque spandrel panels) is permitted to exceed 30 percent but shall not exceed 40 percent of the gross above-grade wall area, for the purpose of prescriptive compliance with Section C402.1.4 or for the component performance alternative in Section C402.1.5, provided that the mechanical system complies with all requirements of Section C403.3.5, dedicated outdoor air systems (DOAS) without utilizing the exceptions to Section C403.3.5. This increased glazing fraction is not permitted to be used to establish the reference case for the Total Building Performance compliance path in Section C407.~~

Purpose of code change:

Simplify code. Level playing field for other system options. It is not necessary to give extra glazing allowance for buildings with DOAS.

Your amendment must meet one of the following criteria. Select at least one:

- [ ] Addresses a critical life/safety need. [ ] Consistency with state or federal regulations.
[X] Addresses a specific state policy or statute. (Note that energy conservation is a state policy) [ ] Addresses a unique character of the state.
[ ] Corrects errors and omissions.

Check the building types that would be impacted by your code change:

- [ ] Single family/duplex/townhome [ ] Multi-family 4 + stories [ ] Institutional
[ ] Multi-family 1 – 3 stories [X] Commercial / Retail [ ] Industrial

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**Economic Impact Data Sheet**

Briefly summarize your proposal's primary economic impacts and benefits to building owners, tenants and businesses.

Increases energy efficiency by not promoting increased glazing area.

Provide your best estimate of the construction cost (or cost savings) of your code change proposal?

\$0/square foot (For residential projects, also provide \$0/ dwelling unit)

Show calculations here, and list sources for costs/savings, or attach backup data pages

Reduces cost – less glazing allowed in base building.

Provide your best estimate of the annual energy savings (or additional energy use) for your code change proposal?

0KWH/ square foot (or) 0KBTU/ square foot

(For residential projects, also provide 0KWH/KBTU / dwelling unit)

Show calculations here, and list sources for energy savings estimates, or attach backup data pages

Difficult to estimate impact of possible reduced glazing area.

List any code enforcement time for additional plan review or inspections that your proposal will require, in hours per permit application:

None.