



STATE OF WASHINGTON

**STATE BUILDING CODE COUNCIL**

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## November 2012 Motions for Rule Making Actions

Main Motion: Adopt 2012 Energy Code as proposed in WAC 51-11R and 51-11C; repeal WAC 51-11

Amendment to the main motion:

Amend Equation C402-1, Fenestration calculation for Component Performance Option:

**EQUATION C402-1**  
**TARGET UA<sub>t</sub>**

Vertical Fenestration

if the vertical fenestration area as a percent of gross exterior wall area does not exceed the maximum allowed in Section C402.3.1:

Amwt = The proposed opaque above grade wall area, Aw.

Ambwt = The proposed opaque above grade wall area, Aw.

Awt = The proposed opaque above grade wall area, Aw.

Avgt = The proposed vertical fenestration area with nonmetal framing, Avg.

Avgmt = The proposed vertical fenestration area with fixed metal framing, Avgm.

Avgmot = The proposed vertical fenestration area with operable metal framing, Avgm.

Avgdt = The proposed entrance door area, Avgd.

or:

if the ~~total~~ vertical fenestration area as a percent of gross exterior wall area exceeds the maximum allowed in Section C402.3.1, the area of each fenestration element shall be reduced in the base envelope design by the same percentage and the net area of each wall type ~~adjusted~~ increased proportionately by the same percentage so that the total ~~skylight and~~ vertical fenestration area is exactly equal to the allowed percentage per Section C402.3.1 of the gross wall area.

Skylight Area

if the skylight area as a percent of gross exterior roof area does not exceed the maximum allowed in Section C402.3.1:

Aradt = The proposed roof area with insulation entirely above the deck, Arad.

Amrt = The proposed roof area for metal buildings, Amr.

Aort = The proposed attic and other roof area, Aor.

Aogort = The proposed skylight area, Aogor.

or:

if the skylight area as a percent of gross exterior roof area exceeds the maximum allowed in Section C402.3.1, the area of each skylight element shall be reduced in the base envelope design by the same percentage and the net area of each roof type ~~adjusted~~ increased proportionately by the same percentage so that the total skylight area is exactly equal to the allowed percentage per Section C402.3.1 of the gross roof area.

**Rationale:** The equation from the WSEC needs to be correlated to glazing terms used in the IECC.