



City of Seattle
Department of Planning & Development

2006 SBC Code Solution

Sec. 1020.1.2
Penetrations through Vertical Exit Enclosures &
Exit Passageways

Release Date: **March 27, 2009**

The following interpretation, policy or code alternate is intended to provide guidance to staff for consistency of review and is subject to change without notice. Application of this interpretation, policy or code alternate to specific projects may vary.

Code Issue:

What is required to separate pipes, ducts, and conduits that penetrate through vertical exit enclosures or exit passageways?

Interpretation:

Pipes, ducts and conduits not serving the vertical exit enclosure or exit passageway shall be separated by construction with a rating equal to that required for the enclosure or passageway (see SBC 1020.1 and 1020.3). Such construction shall extend to an outer wall or ceiling of the enclosure or passageway—a rated “tube” through the enclosure or passageway is not allowed.

Grease-duct wrap is not allowed in lieu of “hard” construction, even if it is listed as having passed a “Two-hour ASTM E 119 Fire Engulfment Test” (ASTM E 119 “Standard Test Methods for Fire Tests of Building Construction and Materials”).

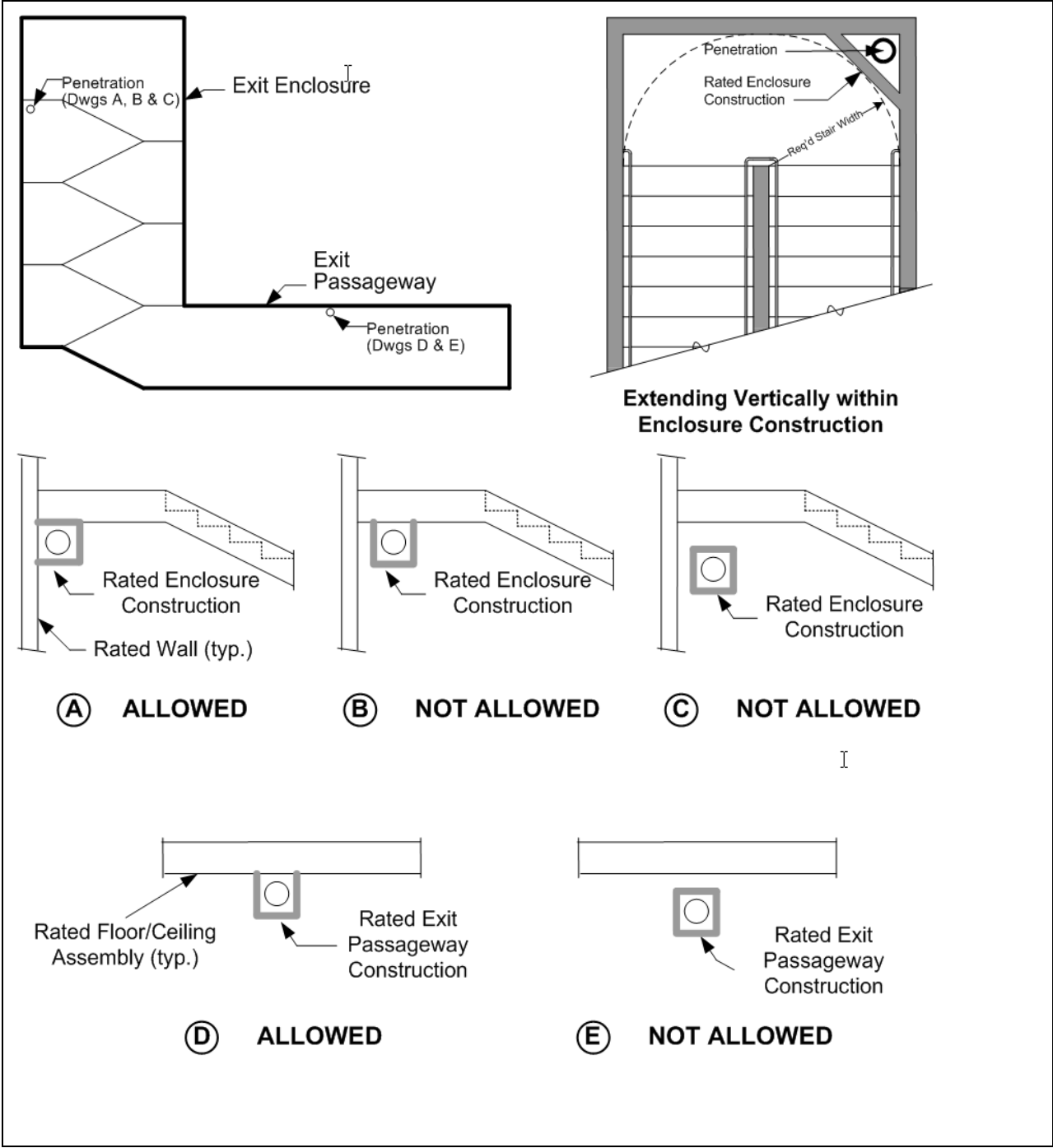
Other critical considerations include protruding object limitations into headroom, per SBC 1003.3.1 and into the path of egress travel per SBC 1003.3.6.

See the following diagrams:

Construction Review & Inspection Quality

Jonathan Siu, Principal Engineer

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If you have questions about whether this code solution applies to your project:

- If you have submitted a permit application, contact the Building Code plan reviewer assigned to your application
- If you have not submitted an application, contact DPD Building Code Technical Support at 206-684-4630 or in person at the Applicant Services Center. Visit the Applicant Services Center website for more information about hours and location http://www.seattle.gov/dpd/Permits/Process_Overview/Location_Hours/default.asp



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