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FOREWORD

Draft Addendum 90.1an – Publication Draft. This addendum coordinates subsection 11.4.2 with 4.1.2.1 and 4.1.2.2.

Addendum 90.1an (I-P and SI Editions)

Proposed wording change to 11.4.2:

11.4.2 Building Envelope. The *budget building design* shall have identical conditioned floor area and identical exterior dimensions and orientations as the *proposed design*, except as noted in (a), (b), and (c) in this clause. ~~For existing building envelopes, the *budget building design* shall reflect existing conditions prior to any revisions that are part of this permit. For new building envelopes, the *budget building envelope* model shall be modified from that used in the *proposed design* as follows:~~

- (a) **Opaque assemblies.** *Opaque* assemblies such as *roof, floors, doors, and walls* shall be modeled as having the same *heat capacity* as the *proposed design* but with the minimum U-value required in 5.3 for new buildings or additions and 4.1.2.2.1 for alterations.
- (b) **Roof albedo.** All *roof* surfaces shall be modeled with a reflectivity of 0.3.
- (c) **Fenestration.** No shading projections are to be modeled; *fenestration* shall be assumed to be flush with the exterior *wall* or *roof*. If the *fenestration* area for new buildings or additions exceeds the maximum allowed by 5.3.2.1, the area shall be reduced proportionally along each exposure until the limit set in 5.3.2.1 is met. *Fenestration* U-factor shall be the minimum required for the climate and the solar heat gain coefficient shall be the maximum allowed for the climate and orientation. The fenestration model for envelope alterations shall reflect the limitations on area, U-factor and solar heat gain coefficient as described in 4.1.2.2.1.

Exception to 11.4.2: When trade-offs are made between an addition and an existing building as described in Exception (b) to 4.1.2.1**(b)**, the envelope assumptions for the existing building in the *budget building design* shall reflect existing conditions prior to any revisions that are part of this permit.