NOTE: The interpretation below represents a consensus interpretation of the NECB document as it applies to most foreseeable applications and situations. As such, it is intended to provide clarity and guidance, but may not be applicable to every condition found in projects. For highly irregular or case specific interpretation, it is recommended that applicants contact The City of Calgary, Calgary Building Services for specific interpretation

NECB 3.2.2.2.(1) Thermal Characteristics of Above-ground Opaque Building Assemblies	
Code Article	NECB 3.2.2.2.(1) Thermal Characteristics of Above-ground Opaque Building Assemblies Except as provided in Sentences (2) and (3) and in Sentence 3.2.1.3.(1), the <i>overall thermal transmittance</i> of above-ground <i>opaque building assemblies</i> shall not be more than that shown in Table 3.2.2.2. for the <i>building</i> or part threreof enclosed by the <i>opaque building assembly</i> , for the applicable heating degree day category.
Previous Direction	None
Current Direction	In cases where a continuous layer of insulation in an opaque wall assembly varies uniformly over a given area, The City of Calgary will permit using an average thickness of insulation of the proposed building envelope assembly in order to simplify the calculation of <i>effective thermal transmittance</i> required to demonstrate compliance with the required overall U-Value found in 3.2.2.2.(1) for <i>opaque wall assemblies</i> . An example would be flat roof insulation where roof slope is provided by tapering the thickness insulation. In such an example, the calculation of <i>effective thermal transmittance</i> may use the weighted average thickness of the tapered insulation in the calculation of the roof assembly <i>effective thermal transmittance</i> . This interpretation is limited to cases where the assembly's <i>effective thermal transmittance</i> varies uniformly across the assembly(s), and where the thermal transmittance properties of the insulation is known. The weighted average calculation and <i>effective thermal transmittance</i> calculations may be requested for verification by the SCO.
Related Articles	NECB 3.1.1.5.(5).
Effective Date	December 01, 2017

Please direct additional questions or comments to:

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