

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 3.3.3.1.(3) Application of Simple Trade-Off path	
Code Article	NECB 3.3.3.1.(3) Simple Trade-Off Path - Application This Subsection does not apply to <i>additions</i>
Previous Direction	None
Current Direction	<p>Simple Trade-Off compliance path for the building envelope is prohibited for <i>additions</i> in the NECB 2011.</p> <p>However, even on <i>additions</i> The City of Calgary will permit opaque wall and roof assemblies to use the simple Trade-Off calculation methodology in a limited scope to calculate the overall thermal transmittance of the proposed building envelope in order to demonstrate compliance with the required overall U-Value found in 3.2.2.2.(1) for <i>opaque wall assemblies</i>. This calculation may be requested for verification by the SCO.</p> <p>This effectively allows some portions of the roof or wall assembly to have thermal transmittance greater than the prescriptive maximum for thermal transmittance provided the <i>overall thermal transmittance</i> of the opaque roof or wall assemblies meets the required value(s) found in Table 3.2.2.2.</p> <p>This calculation would apply to assemblies using components such as tapered roof insulation (where an average thickness of insulation may be used), or curtain wall systems where spandrel panel portions of the wall assembly have difficulty meeting the maximum permitted U-value in isolation.</p> <p>This calculation methodology does not apply to trade-off between fenestration for opaque or vice versa, nor to using the existing building walls and roof in the calculation without special approval and prior consent.</p>
Related Articles	NECB Division B, 3.2.2.2.(1) NECB Division B, Table 3.2.2.2.
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Please direct additional questions or comments to:

Justin Pockar MArch, SCO, LEED AP
 Calgary Building Services
 Planning & Development
 The City of Calgary | Mail Code: #8114
 T 403.268.2250_ | C 403.888.4681
justin.pockar@calgary.ca
 ISC: Protected