



NBC 2019 Alberta Edition Article 9.36.2.11
Worksheet for Building Envelope Trade-Off

Project Name:		Building Permit Number (Completed Internally)
Project Address:		
Applicant Name:		
Applicant Address:		

Trade-off Calculations for Above-ground Building Envelope Assemblies

Description or Identification of Building Envelope Assembly	Opaque Portions		Fenestration Portions			Area of Assembly in Reference Building: A_{ir} (m ²)	Area of Assembly in Proposed Building: A_{ip} (m ²)	Minimum Allowable Thermal Resistance of Assembly in Reference Building (prescriptive values): R_{ir} (m ² •K)/W	Thermal Resistance of Assembly in Proposed Building: R_{ip} (m ² •K)/W	A_{ir} / R_{ir} (W/K)	A_{ip} / R_{ip} (W/K)				
	Wall	Roof	Floor	Fenestration	Door							Skylight			
Fenestration Trade offs are limited to fenestration on the same elevation. Please indicate which elevation contains the fenestration being calculated															
								North	<input type="checkbox"/>	South	<input type="checkbox"/>	East	<input type="checkbox"/>	West	<input type="checkbox"/>
TOTALS:															

Is building envelope compliant with simple trade-off path? ($A_{ip} / R_{ip} \leq \text{total } A_{ir} / R_{ir}$ and $A_{ip} = A_{ir}$)

YES NO

The areas used in the above calculation shall be clearly indicated on the accompanying drawings.