9.36: Trade-off Calculator

9.36.2.11 Worksheet
(2016/06)

CHESTERMERE

National Building Code Alberta Edition 2023 Article 9.36.2.11 Worksheet for Building Envelope Trade-Off	
Project Name:	
Project Address:	Building Permit Number (Completed Internally)
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}, (m²)	Area of Assembly in Proposed Building: A_{ip}, (m²)	Minimum Allowable Thermal Resistance of Assembly in Reference Building (prescriptive values): R_{ir} (m²•K)/W	Thermal Resistance of Assembly in Proposed Building: R_{ip} (m²•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 ☐	South ☐	East ☐	West ☐	☐				
											0	0
											0	0
											0	0
											0	0
											0	0
											0	0
											0	0
											0	0
											0	0
											0	0
TOTALS:							**0**	**0**			0	0

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

Yes

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