



The Building Enclosure RDH → The building enclosure separates indoors from outdoors by controlling: \rightarrow Water penetration → Air flow → Heat flow \rightarrow Vapor diffusion (wetting & drying) → Sound → Fire \rightarrow While at the same time: → Transferring structural loads → Being durable and maintainable → Being economical & constructible

→ Looking good!











The World of Energy Codes			RDH
		British Columbia	Vancouver
New Construction	All Other	ASHRAE 90.1 or NECB	
New construction	Part 9 <4 Storeys	BCBC 9.36	VBBL Part 10
Renewal or Rehabilitation	All Other	ASHRAE 90.1 or AHJ	VBBL Part 11 (ASHRAE 90.1)
	Part 9 <4 Storeys	BCBC 9.36* or AHJ	VBBL Part 11
*Only for the parts of the building being impacted. *Only for the parts of the building being impacted.			







2016-04-04















































Considerations	RDH
 → Cladding weight & gravity loads → Wind & seismic loads → Back-up wall construction (wood, concrete, steel) → Attachment from clip/girt back into structure (studs, sheathing edge) > Thickness of exterior insulation → Use of rigid, semi-rigid or spray-applied insulation → Ability to fasten cladding supports through face → Ability to fit insulation tightly around cladding supports > R-value target, tolerable thermal loss from supports → Cladding orientation (panel, vertical, horizontal) > Ease of attachment of cladding – returns, corners, etc. > Combustibility requirements 	, or slab
31	6 of 75

























2016-04-04

























































