

# APPLICATION OF NATIONAL BUILDING CODE (ALBERTA EDITION) (NBC(AE):B:9.36) TO EXISTING BUILDINGS

*The guiding principle is that the level of life safety and building performance of lawfully-existing construction shall not be decreased as a result of alterations, rehabilitation, refurbishment, renovation or repair. (A:1.1.1.2.(3),(4),(6); A:1.2.2.3.)*

Existing buildings NOT CONSTRUCTED according to section 9.36 of NBC(AE)2019 i.e. permit before December 1, 2019.		Existing buildings CONSTRUCTED according to section 9.36 of NBC(AE)2019 i.e. permit from December 1, 2019.	
<b>MECHANICAL</b>			
<b>1</b>	Maintenance and repair of <b>existing mechanical components</b> shall be to codes standards not less than at time of construction/installation.		
<b>2</b>	Installation of <b>new mechanical components by alteration of existing mechanical systems</b> shall be to codes standards not less than at time of construction/installation, but with efficiencies not less than found in <a href="#">Canada's Energy Efficiency Regulation</a> at time of permit application for the new work.	Installation of <b>new mechanical components by alteration of existing mechanical systems</b> shall be to codes standards not less than at time of construction/installation but with efficiencies not less than found in <a href="#">Canada's Energy Efficiency Regulation</a> at time of permit application for the new work, however energy performance may not be reduced.	
<b>3</b>	Installation of <b>new mechanical systems</b> shall be to codes current at time of permit application for the new work. Apply minimum prescriptive requirements.	Installation of <b>new mechanical systems</b> shall be to codes current at time of permit application for the new work. Apply minimum prescriptive requirements, or optionally model the as-built building with proposed changes to derive new mechanical component efficiencies.	
<b>ENCLOSURE / ENVELOPE</b>			
<b>4</b>	Maintenance and repair of existing envelope components/assemblies shall be to codes standards not less than at time of construction/installation		
<b>5</b>	Installation of <b>new envelope components</b> in the replacement or alteration, other than additions, of existing construction shall be to codes standards current at time of permit application for the new work, applied to existing construction to the extent reasonably practical. Lawfully-existing exposed framing/structure/components that remain unchanged need be insulated/made airtight only to the extent practical. Existing windows, doors, hatches, etc. not intended to be changed may remain as is. For new components, apply minimum prescriptive requirements.	Installation of <b>new envelope components</b> in thereplacement or alteration, other than additions, of existing construction shall be to codes standards current at time of permit application for the new work, applied to existing construction to the extent reasonably practical. Lawfully-existing exposed framing/structure/components that remain unchanged need be insulated/made airtight only to the extent practical. Existing windows, doors, hatches, etc. not intended to be changed may remain as is. For new components, apply minimum prescriptive requirements or optionally model whole house, however energy performance may not be reduced.	
<b>6</b>	Construction of <b>new building envelope assemblies</b> through addition beside, above or below existing structure shall be to codes standards current at time of permit application for the new work. Apply minimum prescriptive requirements, or model whole house.	Construction of <b>new building envelope assemblies</b> through addition beside, above or below existingstructure shall be to codes standards current at time of permit application for the new work. Apply minimum prescriptive requirements or optionally model whole house	