~~Red Strikethrough~~ = deleted text
Blue underline = New text

This material is for educational purposes and does not make or imply any assurance or guarantee with respect to the life expectancy, durability or operating performance of materials, appliances, systems and equipment referred to in the information.

Review this document in conjunction with the National Building Code – 2023 Alberta Edition

PART 11 – CODE UPDATE INFORMATION		
NBC(AE) 2019	**NBC(AE) 2023**	**Comments**
11.2.1.2. Acoustic Insulation Factor **1)** The *building* shall be designed and constructed so that the *acoustic insulation factor* is not less than the value derived from Table 11.2.1.2.-A for each component of the exterior envelope of a) every room or space used for sleeping in *care*, *treatment* or *detention occupancies*, b) every room or space used for sleeping in *residential occupancies*, and c) every classroom and all other teaching spaces of a similar nature. **2)** The *building* shall be designed and constructed so that the *acoustic insulation factor* is not less than the value derived from Table 11.2.1.2.-B for each component of the exterior envelope of every living room, dining room, recreational room, and all other rooms of a similar nature, in *residential occupancies*. **3)** The *building* shall be designed and constructed so that the *acoustic insulation factor* is not less than the value derived from Table 11.2.1.2.-C for each component of the exterior envelope of a) every kitchen, bathroom, laundry room, and all other rooms of a similar nature, in *residential occupancies*, and b) every private office, conference room, meeting room and all other rooms of a similar nature.	**11.2.1.2. Acoustic Insulation Factor** **1)** The *building* shall be designed and constructed so that the *acoustic insulation factor* is not less than the value derived from Table 11.2.1.2.-A for each component of the exterior envelope of a) every room or space used for sleeping in *care*, *treatment* or *detention occupancies*, b) every room or space used for sleeping in *home-type care* or *residential occupancies*, and c) every classroom and all other teaching spaces of a similar nature. **2)** The *building* shall be designed and constructed so that the *acoustic insulation factor* is not less than the value derived from Table 11.2.1.2.-B for each component of the exterior envelope of every living room, dining room, recreational room, and all other rooms of a similar nature, in *home-type care* or *residential occupancies*. **3)** The *building* shall be designed and constructed so that the *acoustic insulation factor* is not less than the value derived from Table 11.2.1.2.-C for each component of the exterior envelope of a) every kitchen, bathroom, laundry room, and all other rooms of a similar nature, in *home-type care* or *residential occupancies*, and b) every private office, conference room, meeting room and all other rooms of a similar nature.	Added new occupancy (home-type care occupancy) to code requirements.
11.2.2.1. Mechanical Ventilation **1)** In *buildings* located on a site at which the *noise contour* value is 25 or more, *dwelling units* and *suites* used for *residential occupancy* shall be ventilated with a mechanical ventilation system that includes a fresh air inlet duct that a) has a minimum diameter of 150 mm, b) is insulated, c) has a regulating damper that does not conflict with the requirements of Subsection 9.32.3., and d) conducts outside air to the *return duct*. **2)** If the *noise contour* value at a *building* site is more than 30, the mechanical ventilation system required by Sentence (1) shall be designed and installed in such a way that an owner or occupant of a *dwelling unit* or *suite* used for *residential occupancy* need not make changes to the structure or dimensional changes to the ventilation system in order to install an air-conditioning system.	**11.2.2.1. Mechanical Ventilation** **1)** In *buildings* located on a site at which the *noise contour* value is 25 or more, *home-type care occupancies* or *dwelling units* and *suites* used for *residential occupancy* shall be ventilated with a mechanical ventilation system that includes a fresh air inlet duct that a) has a minimum diameter of 150 mm, b) is insulated, c) has a regulating damper that does not conflict with the requirements of Subsection 9.32.3., and d) conducts outside air to the *return duct*. **2)** If the *noise contour* value at a *building* site is more than 30, the mechanical ventilation system required by Sentence (1) shall be designed and installed in such a way that an owner or occupant of a *home-type care occupancy* or *dwelling unit* or *suite* used for *residential occupancy* need not make changes to the structure or dimensional changes to the ventilation system in order to install an air-conditioning system.	Added new occupancy (home-type care occupancy) to code requirements.