

NOISE ABATEMENT STANDARDS

RESIDENTIAL
BUILDING INSPECTIONS DEPARTMENT
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New homes constructed southeast and northeast of the Anoka County Airport and within 500 feet of any minor and principal arterial roadways as defined by the City of Blaine Transportation plan, Development Agreement requirements, or as directed by a CUP (Conditional Use Permit) shall incorporate the following standards for construction: (Added 02/16/95 Blaine City Ordinance 94-1543)

1. Use of 2" x 6" studs or better for all exterior wall cavity construction to be shown on building plans.
2. All exterior building elements shall meet the following minimum STC (Sound Transmission Class) values:
 - a. Walls - 40 STC.
 - b. Roof - 40 STC.
 - c. Windows - 30 STC.
 - d. Doors - 20 STC.

Manufacturers STC Rating for each window, door and skylight shall be attached to the building plans. Upon approval of the Building Official, typical 2" x 6" walls and truss roofs constructed in accordance with the current Minnesota State Building Code and the Minnesota Model Energy Code shall be considered as conforming to this requirement.

3. All homes shall incorporate the following acoustical design features, which need to be shown on the plans:
 - a. A mechanical ventilation system shall be installed that will provide the minimum air circulation and fresh air supply requirements as required in the current Minnesota State Building Code for the proposed occupancy without the need to open any exterior doors or windows.
 - b. The perimeter of all exterior windows and door frames shall be sealed airtight to the exterior wall construction.
 - c. Fireplaces shall be equipped with well-fitted chimney cap devices.
 - d. All ventilation ducts, except range hoods, connecting interior space to outdoors, shall be provided with a bend such that no direct line of sight exists from exterior to interior through the vent duct.
 - e. Doors and windows shall be constructed so that they are close fitting. Weather stripping seals shall be incorporated to eliminate all edge gaps.
 - f. All penetrations through exterior walls by pipes, ducts, conduits and the like shall be caulked airtight to the exterior construction.