



AIR HANDLING EQUIPMENT/AIR CONDITIONING UNIT SETBACK GUIDELINES

Air handling equipment, including air conditioning equipment must be located to comply with the City's Noise Control Ordinance (Municipal Code Chapter 6.16). The Planning Division has estimated the following setback guidelines for locating air handling equipment, including air conditioning equipment in order to meet the Noise Control Ordinance limit of 50 dBA at the property line for most residentially zoned properties. In addition, if the unit is visible from the street, appropriate screening should be provided.

Sound Rating (Decibels)	Distance to Property Line
64	6 feet
66	8 feet
68	11 feet
70	14 feet
72	18 feet
74	22 feet

City Assumptions Used in Calculations:

1. The distance is measured from the outside edge of the unit.
2. The air conditioner is located within 10 feet of **only one** reflective surface, such as the wall of a house.
3. There is a six-foot tall solid fence or wall along the nearest property line.
4. The listener is standing one-foot away from the solid fence or wall on the opposite side.

Source: ANSI/AHRI Standard 275 – 2010, Air Conditioning, Heating and Refrigeration Institute, www.ahrinet.org

Note: For properties zoned 93-PUD/R1 at Chester Circle, please refer to Municipal Code Chapter 6.16.

If installing multiple units at the same location or at the inside corner of a building, the setback will be increased accordingly per ANSI/AHRI Standards.

A lesser setback than indicated in the above table may be approved by the Planning Division upon receipt of a report from an acoustical engineer or qualified noise consultant by providing detailed information on the noise generated by the air handling unit, proposed placement on the property, and any calculations to reach their conclusions. In determining the extent of a lesser setback, the Planning Division will take into account not only the report but also the estimated setback guidelines above.

Regardless of where the air handling unit is located, the provisions of the Noise Control Ordinance (Chapter 6.16) shall apply, and it is the responsibility of the property owner to mitigate any violations. If baffling and/or repairs do not achieve compliance, it may be necessary to either relocate or replace the unit.

BUILDING PERMIT SUBMITTAL REQUIREMENTS FOR PLANNING DIVISION APPROVAL (2 COPIES OF EACH)

1. **Site plan** – Showing property lines, building footprint, location of air handling/air conditioning unit(s), and setback to closest property line measured from the face of the unit. The site plan shall have the model number(s) of the proposed units and the nominal size of the unit (i.e. tons).
2. **Manufacturer's Specifications (Product Data)** – Provide the title page and page showing the noise rating of the unit. For variable speed units, the highest noise rating of the unit will be used. Brochures or other marketing materials are not acceptable.