

The conditional use will consist of a small rooftop tower supporting an amateur radio antenna system. The station will be operated in accordance with the Code of Federal Regulations Title 47 Part 97, which defines the amateur radio service in the United States. As the name implies, amateur radio is strictly non-commercial; it is an international practice of radio communication among licensed individuals and clubs for purposes of education, recreation, experimentation, and emergency response.

Both freestanding towers and rooftop towers can already be commonly found in the neighborhood around this property, including next door at 2816 S 7th St and across the street at 2825 S 7th St. Most of them hold broadcast TV antennas.

This system will be installed near the center of the property with the goal of maximizing distance from adjacent properties. The tower will be about 8 feet tall and will be mounted at the peak of the roof, which is 25 feet tall, putting the top of the tower at an elevation of about 33 feet.

The mast that extends from the top of the tower will be mechanically rotatable such that the horizontal orientation of the system can be controlled by the operator. The rate of rotation will be slow; it will not exceed 10 degrees per second (i.e. 36 seconds per revolution).

The mast and any antennas on it will be installed such that, should the tower fail and fall directly toward the nearest property line, no part of the system would reach the property line.

The tower, mast, and each antenna in the system will be bonded to the earth via one or more ground rods to provide the safest possible path to ground in the unlikely event of a lightning strike in the vicinity.

Inspections and maintenance of the system will be routinely performed to ensure its integrity.

Attached are some illustrative mockups to put the described scale and position of the system in context.

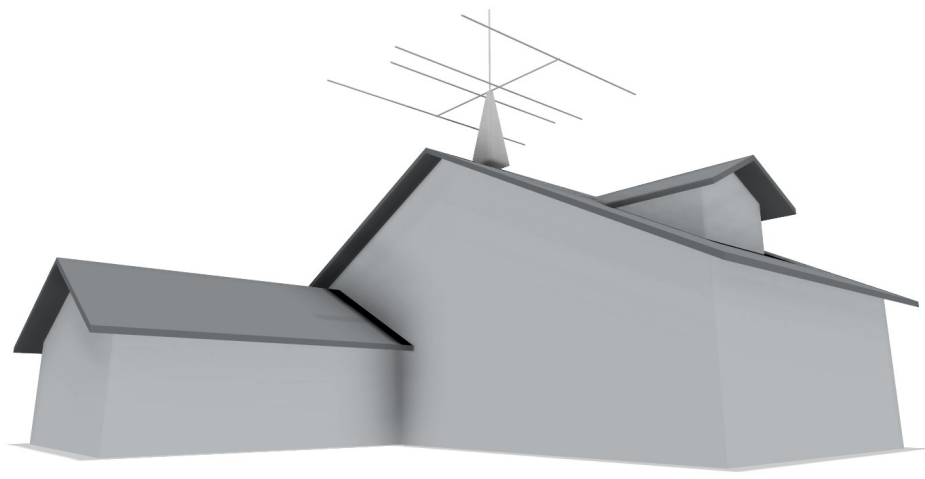


Figure 1a: illustrative mockup in street-level perspective view



Figure 1b: illustrative mockup in street-level perspective view overlaid on a photo of the property

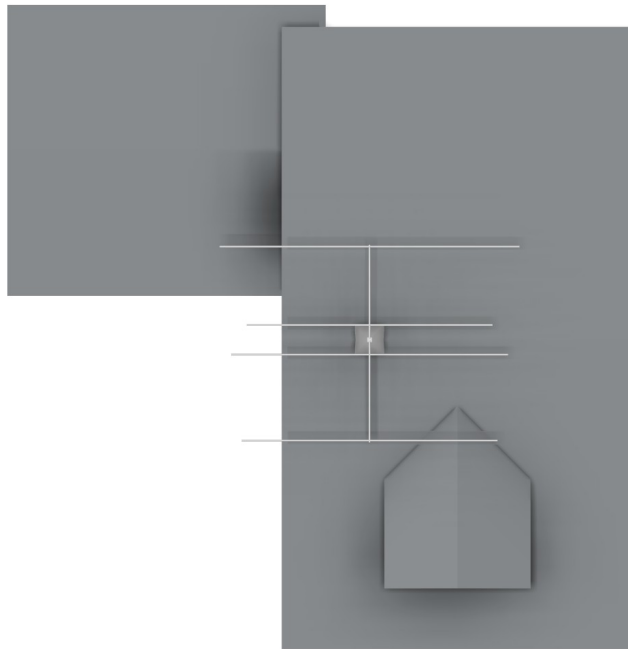


Figure 2: illustrative mockup in top-down orthographic view

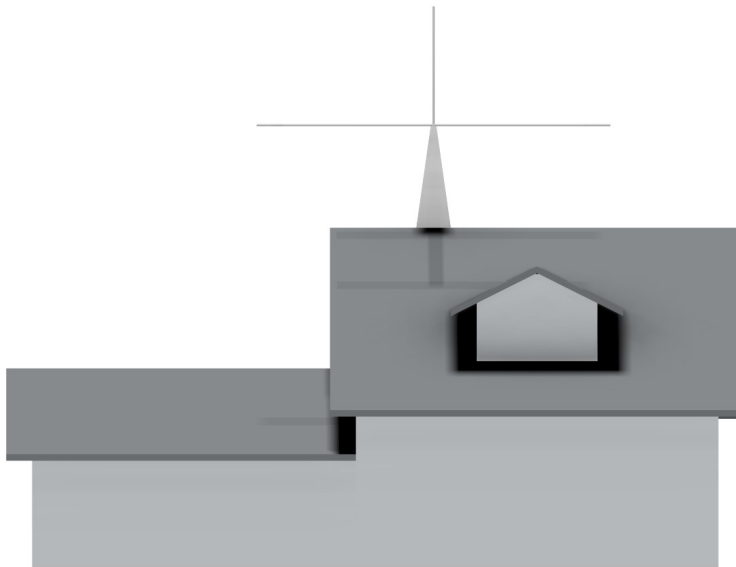


Figure 3: illustrative mockup in front-facing orthographic view