

Overview - Driveway Gate

After many years of not having a proper driveway gate, it is time to address the lack of gate and install one. This document outlines the overall design of the gate to be installed.

Gate Details

The gate will be a **sliding cantilever gate** that **opens to the left** (from street-view looking at the property/gate).

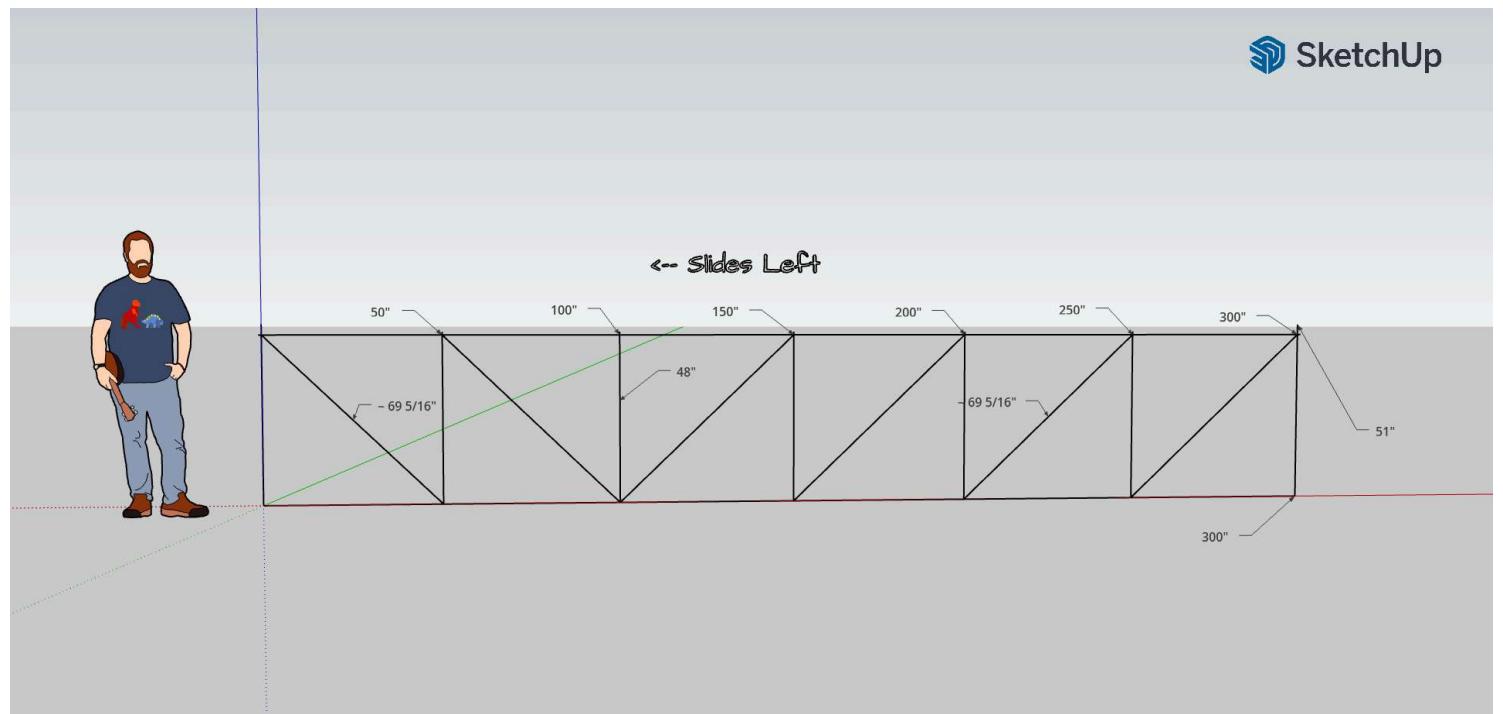
The gate will be installed using **two 4" posts with nylon rollers** to mount and support the gate.

The driveway opening is approximately **15.5 feet / 187 inches**.

The total length of the gate will be **25 feet** with a height of **4 feet**

Frame

The gate frame will be constructed using a variety of round tubing sizes. All measurements in drawing below are in inches.



Dimensions Breakdown

- **Horizontal Rails**
 - Length: 300"
 - Tubing: 2-1/2" O.D.
- **Verticals**
 - Length:
 - Outer: 51"
 - Inner: 48"
 - Tubing: 2" O.D.
 - Spacing: 50"- On Center
 - Notes: The ends should have an extra 3" at the top that will serve as stops against the rollers.
- **Diagonal Braces**
 - Length: 69 5/16"
 - Tubing: 1-5/8" O.D.

Below is an example gate. It is made 4 feet high for a 15 foot opening.



Helpful Links

- [Hoover Fencing - Cantilever Slide Gate System Overview](#)
 - I heavily used this website as a resource.
- [Sketchup - 3D Model](#)