

# 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).

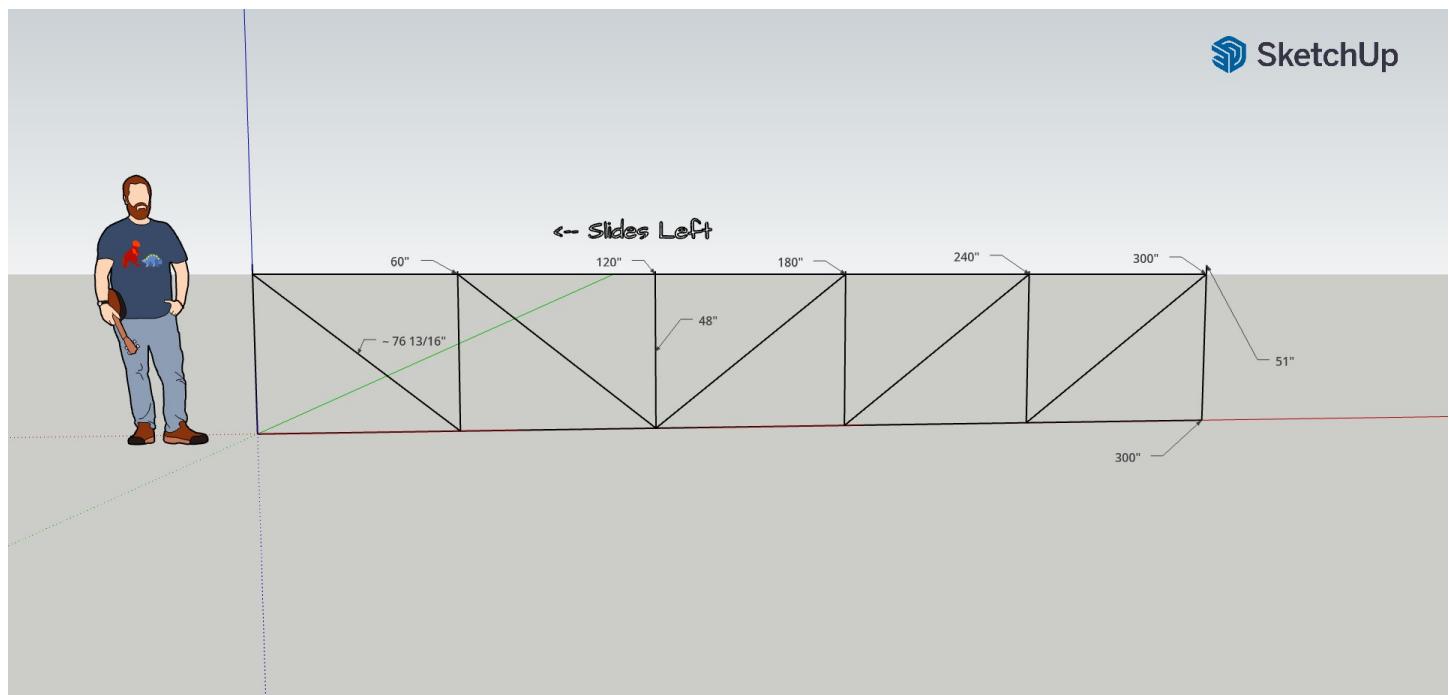
The gate will be installed using **two 4" posts with nylon rollers** to mount and support the gate.

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: 60"- On Center
  - Notes: The ends should have an extra 3" at the top that will serve as stops against the rollers.
- Diagonal Braces
  - Length: 76 13/16"
  - 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](#)