

## **Chapter 1**

### **Assignment 01**

#### **1.1 Stair Samples**

This is what I acquired.



(a) Stairs 1. Found in front of the town homes in Columbia Lake Village. Rise: 7.2 inches, Run: 86.2 inches, Width: 48.5 inches, Overlap: 0.5 inches, Slope: 0.0835, rise + run: 93.4, rise \* run: 620.64 , 2\*rise + run: 100.6 , Feel: Safe, and full three foot steps on each step



(b) Stairs 2. Found in my friends home. Rise: 7 (inches), Run: 9.5 (inches), Width: 36 (inches), Overlap: 1 (inches), Slope: 0.737, rise + run: 16.5, rise \* run: 66.5 , 2\*rise + run: 23.5, Feel: Ok going up, step feels a little too small, my foot only just fits the whole step. The overlap affects the decent a little, makes it somewhat uncomfortable.

**Figure 1.1:** *Two Stair case sample*