

# Building Pressure Calculator Report

Generated by BuildingPressureCalculator.py

January 31, 2024

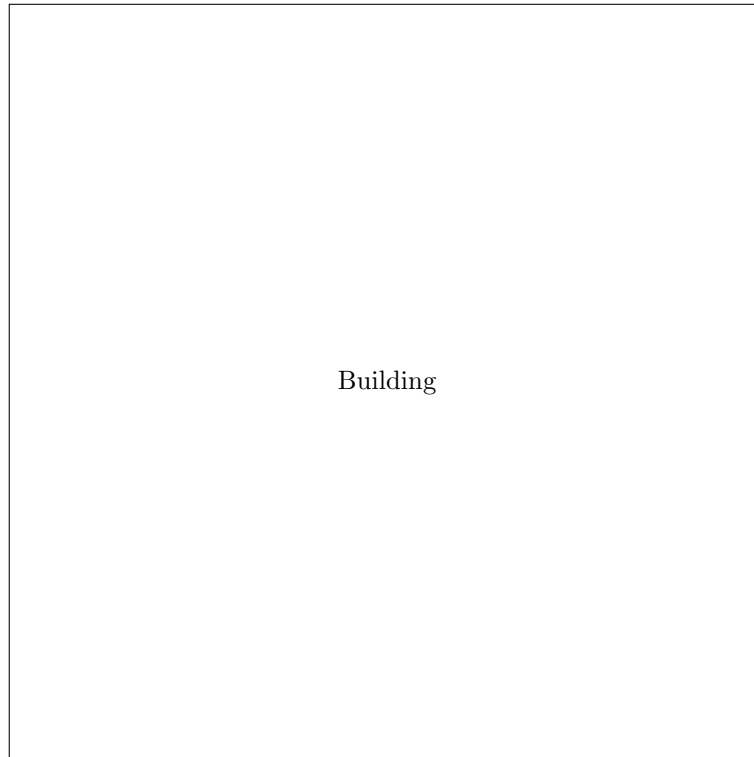
## 1 Introduction

This report presents the results of the building pressure calculations.

## 2 Parameters

- Exposure: C
- Flexible: no
- Enclosure: enclosed
- Eave Height: 15 ft
- Building Width: 10 ft
- Building Length: 10 ft
- Basic Wind Speed (mph): 105 mph
- Velocity Pressure Coefficient ( $K_z$ ): 0.85
- Topographic Factor ( $K_{zt}$ ): 1.0
- Wind Directionality Factor ( $K_d$ ): 0.85
- Ground Elevation Factor ( $K_e$ ): 1.0
- Velocity Pressure ( $q$ ): 20.39 psf

### 3 Building Dimensions



### 4 Results

- Net Windward Pressure: 10.2 psf
- Net Leeward Pressure: -15.8 psf
- Net Sidewall Pressure: -12.34 psf