

Building Pressure Calculator Report

Generated by BuildingPressureCalculator.py

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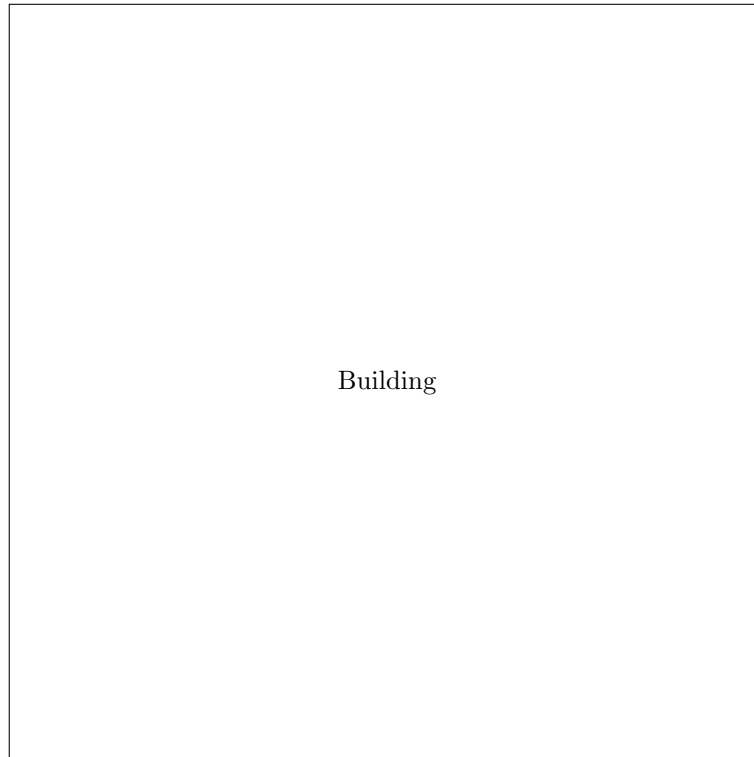
1 Introduction

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_h): 0.849
- Topographic Factor (K_{zt}):
- Wind Directionality Factor (K_d): 0.85
- Ground Elevation Factor (K_e): 1.0
- Velocity Pressure (q_h): 20.37 psf

3 Building Dimensions



4 Results

- Net Windward Pressure: 10.18 psf
- Net Leeward Pressure: -15.78 psf
- Net Sidewall Pressure: -12.32 psf