

INTERNATIONAL BUILDING CODE 2006 REQUIREMENTS

**HUBCAP TIRE AND WHEEL  
JOB #1853**

**Occupancy Classification:**

Business, Group B. (Sec 304.1)

Moderate Hazard Storage, Group S-1. (Sec 311.2)

~~High Piled Combustible Storage. (Chapter 23)~~

*revised*

**Occupant Load: (TBL 1004.1.1)**

Business Areas = 100 Gross sq. ft. / occupant

Warehouse Areas = 500 Gross sq. ft. / occupant

406 s.f. Office = 4 occupants

1844 s.f. Warehouse = 4 occupants

2,250 s.f. Gross Building

Total of 8 occupants

**Exit Access Requirements: (Sec 1016)**

1 exit required for < 49 occupants in business occupancy. (1 exits provided Table 1019.2)

Exit access travel distance = 200' unsprinkled (Table 1016.1)

1 exits required for <29 occupants in S-1 occupancy. (1 exits provided Table 1019.2)

Exit access travel distance = 200' unsprinkled (Table 1016.1)

**Allowable height and bldg. Area: (TBL 503)**

B = 23,000 s.f. / 4 story allowed, this project 1 story 406

S-1 = 17,500 s.f. / 3 story allowed, this project 1 story 1,844

**Construction Classification: (Sec 602.2)**

Type IIB

**Fire Resistance Rating Requirements for Building Elements: (TBL 601)**

Structural Frame = 0 hrs.

Bearing Walls (interior and exterior) = 0 hrs.

Non-Bearing Walls = 0 hrs.

Floor Construction = 0 hrs.

Roof Construction = 0 hrs.

**Fire Resistance Rating Requirements for Exterior Walls: (TBL 602)**

Exterior Walls with  $10 \leq X < 30$  Fire Separation Distance = 0 hr.

**Fire Alarm System Requirements: (Sec 907)**

This Bldg. Does not require a Fire Alarm System in accordance with Section 907.2.2, Group B.

**Fire Protection System Requirements: (Sec 903)**

This Bldg does not require a Fire Protection System in accordance with Section 903.2.8 Group S-1.

~~Warehouse shall be used for storage of High Hazard Commodities.~~

**Construction Documents: (Sec 1603)**

This Bldg. shall be designed in accordance with IBC Section 1609 as a fully enclosed Bldg. using the following information:

Basic Wind Speed (3 second gusts) = 130 mph (Fig 1609)

Importance Factor: Category III Bldg., IE = 1.00, IS = 1.0, IW = 1.00 (TBL 1604.5)

Exposure B, determination of wind loads shall be in accordance with IBC Sec 1609.4

Minimum live loads shall be determined in accordance with TBL 1607.1

Ground snow loads = 5 psf (Fig. 1608.2)

Based on the survey of this property by John E. Bonneau & Assoc., Inc., Reg. No. 4423.

Flood Zone: AE, Base Flood Elevation 9.5', Panel No. 22051C 0040 E, Rev. March 23, 1995.