

INTERNATIONAL BUILDING CODE 2006 REQUIREMENTS

STARLING DENTAL OFFICE AND MERCANTILE CENTER

JOB # 1901

Occupancy Classification:

Business, Group B. (Sec 304.1)

Mercantile, Group M. (Sec 309.1)

Occupant Load: (TBL 1004.1.1)

Business Areas = 100 Gross sq. ft. / occupant

Mercantile Areas = 60 Gross sq. ft. / occupant

2202 s.f. Office = 22 occupants

1,250 s.f. Mercantile = 20.8 occupants

814 s.f. Mercantile = 13.6 occupants

929 s.f. Mercantile = 15.5 occupants

1,291 s.f. Mercantile = 21.5 occupants

852 s.f. Mercantile = 14.2 occupants

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1,264 s.f. Mercantile = 21.1 occupants

9,920 s.f. Gross Building

Total of 143 occupants

Exit Access Requirements: (Sec 1019)

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

Exit access travel distance = 200' unsprinkled

1 exit required for < 49 occupants in mercantile occupancy. (1 exit provided)

Exit access travel distance = 200' unsprinkled

Allowable height and bldg. Area: (TBL 503)

B = 23,000 s.f. / 4 story allowed, this project 1 story 2,202

M = 12,500 s.f. / 4 story allowed, this project 1 story 7,780

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.

Note: Fire protection of structural members required in M if roof construction is 20' above slab

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 & Section 907.2.7

Fire Protection System Requirements: (Sec 903)

This Bldg does not require a Fire Protection System in accordance with Section 903.2.6 Group M

Construction Documents: (Sec 1603)

This Bldg. shall be designed in accordance with IBC Section 1609 as a partially 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 J. B. Burkes & Assoc., Inc.

This property is not in a Special Flood Hazard Area.

F.I.R.M. Community Map No. 225205 0420 E

Flood Zone: C

Base Flood Elevation = N/A.