

BUILDING DATA

Calif. Polytechnic State University Building 015, Corporation Administration.

Original Construction 1988.

Occupancy Type: B Occ., with A-3 Accessory (less than 10%) (Per CBC Sec. 303.5), non-sprinkler

Construction Type: V-B

Any Materials allowed by code –Wood framed structure

Fire separation distance is greater than 30', NO LIMIT on exterior openings per table 705.8

Occupancy Separations: None

No. of Stories: 1 – OK per Table 503, 2 stories Allowed

(E) Building Height- 22' abv. avg. grd. plane, 40' allowed

Actual Building Area-

First Floor - 12,130 sq. ft

Total: 12,130 sq. ft.

Allowable Area

Allowable Area Calculation

$A_a = [A_t + [A_t \times I_f] + [A_t \times I_s]]$ (Per 506.1)

$I_f = [F/P - 0.25] \times W/30$ (Per 506.2)

$P = 705$ ft. (Total Perimeter)

$F = 705$

$W = 30$: greater than 30' separation.

$I_f = [F/P - 0.25] \times W/30$

$I_f = [705/705 - 0.25] \times 1$

$I_f = .75$

Is = 0 (non sprkld)

At = 9,000 sq. ft. (Per Table 503)

Aa = {9,000 + [9,000 x .75] + [9,000 x 0]}

Aa = 9,000 + 6,750 = 15,750 sq. ft. per Floor

Total Allowable Area- 15,750 sq. ft.

Total (E) Area –12,130 sq. ft. **OK**

DSA Info-

DSA number 73125.

Whole Building.

Fire Sprinkler Info-

No Sprinkler

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