

## BUILDING DATA

Calif. Polytechnic State University Building 26-  
Original Construction 1960

Construction Type: III-B [(E) Condition per current code]

Non Combustible Exterior Walls: (E) Concrete Complies

2-HR Exterior Walls [Per Table 601]: (E) 10" Thk. Concrete Complies

Interior Walls and Partitions may be of any material allowed by the Code (Sec. 603.2); Non-Rated (Table 601)

(E) Concrete Masonry Interior Bearing Walls and Concrete Columns.

(E) Metal Stud and Wood Stud Interior Non-Bearing Walls

Occupancy Type: B Occ. (Per CBC Sec. 304.1)

Occupancy Separations: None

Non-Sprinklered

No. of Stories: 3 – OK per Table 503, 3stories Allowed

(E) Building Height- 45'

Actual Building Area-

First Floor: 27,863 sq. ft.

Second Floor- 33,048 sq. ft.

Third Floor- 5,578 sq. ft.

Total: 66,489 sq. ft.

Proposed New Building Area- 0 sq. ft.

Allowable Area Calculation (See Site Plan for Dimensions)

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

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

$P = 790$  ft. (Total Perimeter)

Weighted Average  $W$  (per Sec. 506.2.1)

$W = (L_1 \times w_1 + L_2 \times w_2 + L_3 \times w_3 \dots) / F$

Two area where W is greater than 20' but less than 30' (See Site Plan); all other areas greater than 30' separation.

$$W = (75' \times 27' + 14' \times 28' + 701' \times 30') / 790'$$

$$W = (2025 + 392 + 21030) / 790$$

$$W = 23447/790 = 29.68$$

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

$$I_f = [790/790 - 0.25] * 29.68/30$$

$$I_f = .742$$

$$I_s = 0 \text{ (non sprkld)}$$

$$A_t = 19,000 \text{ sq. ft. (Per Table 503)}$$

$$A_a = \{19,000 + [19,000 \times .742] + [19,000 \times 0]\}$$

$$A_a = 19,000 + 14,098 = 33,098 \text{ sq. ft. per Floor}$$

First Floor- 27,863, sq. ft. < 33,098 sq. ft. Allowable, OK

Second Floor – 33,048 sq. ft. < 33,098 sq. ft. Allowable, OK

Third Floor- 5,578 sq. ft. < 33,098 sq. ft. Allowable, OK

Total Allowable Area- 99,294 sq. ft. (506.4.1, 3 stories)

Total (E) Area – 66,489 sq. ft. OK

**DSA number 109172.**

Path of Travel to Elevator from 2 entrances. Restrooms first floor 117 and 119, second floor Rooms 210B and 210C; path of travel to rooms 201, 202.

**DSA number 109620.**

Rooms 201, 201A, 201B, 202, 202A, 202B, 202C, 202D.

**Fire Sprinkler Info-**

Room 116A only, service room 110B

*RELIABLE Pendant 'SSP'*

**SFM FILE #- 18-40-03-0001-010**