BUILDING DATA

Calif. Polytechnic State University Building 044, Spanos Theater.
See Also Building 045, Davidson Music Center

Original Construction 1959.

Occupancy Type: A-1 Occ., non-sprinklered

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

Primary Structural Frame, no rating reqd.
2-hour Exterior bearing walls: (E) 8" thk. Concrete Complies
Interior bearing walls, no rating reqd. – (E) concrete br'g. walls comply
Interior Walls and Partitions may be of any material allowed by the Code (Sec. 603.2); Non-Rated (Table 601) (E) wood Stud and metal stud Interior Non-Bearing Walls Comply
Floor Construction and secondary members- no reqmnt
Roof Construction and secondary members – no reqmnt.
Non Bearing Exterior Walls (Table 602)-
> 30' : No Requirement.

Occupancy Separations: 2 hr. separation to Davidson Music; (2) concrete walls, 10" and 8" and rated openings per the original construction documents.

No. of Stories: 2 – OK per Table 503, 3 stories Allowed

(E) Building Height- 30', 55' allowed

Actual Building Area-

Basement-	2,670 sq. ft. (not included)
First Floor -	10,037 sq. ft
Second Floor -	1,442 sq. ft.
Total:	11,479 sq. ft.

Allowable Area Calculation

Aa = [At+[At x lf] + [At x ls]} (Per 506.1)
Lf = [F/P-0.25]*W/30 (Per 506.2)

P = 480 ft. (Total Perimeter)

F = 315

W = 30: greater than 30' separation.

If = [F/P – 0.25]*W/30

If = [315/480 – 0.25]* 1

If = .40

Is = 0 (non sprkld)

At = 8,500 sq. ft. (Per Table 503)

Aa = {8,500 + [8,500 x .40] + [8,500 x 0]}

Aa =8,500 + 3,400 = 11,900 sq. ft. per Floor

First Floor - 10,037 sq. ft < 11,900 sq. ft. Allowable, **OK**
Second - 1,442 sq. ft. < 11,900 sq. ft. Allowable, **OK**

Total Allowable Area- 23,800 sq. ft. (506.4.1, 2 stories)
Total (E) Area – 11,479 sq, ft. **OK**

DSA Info-
No DSA number.

Fire Sprinkler Info-
Stage and Stage Property Room.
Grinnel Corp.

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