

BUILDING DATA

Calif. Polytechnic State University Building 053, Science North

Original Construction 1968

Occupancy Type: B Occ. with A-3 (less than 10%), non-sprinklered

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

Primary Structural Frame Non Combustible- Concrete frame, floors, roof.

Roof Framing Non Combustible- Concrete

Non Combustible Exterior Bearing Walls: (E) Concrete Complies

Interior Walls and Partitions, non combustible- metal stud walls comply.

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

East Wall- 27' to Fisher Science; 70% openings allowed, UP, NS

Wall area- 460 sf per floor; 70% = 322 sf allowed. 42 sf of openings- **OK**

West wall- 12' to Building 53A; 15% openings allowed, UP, NS

Wall area- 904.5 sf per floor; 15% = 135.6 sf allowed. 133.9 sf of openings- **OK**

Occupancy Separations- none

NOTE: A 2 hr. fire separation wall is required between Science North and Fisher Science at the First Floor/Basement Level. The existing concrete walls comply, but the door should be replaced with a 1-1/2 hr. pair of doors and frame.

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

(E) Building Height- 42', 55' allowed

Actual Building Area-

First Floor: 12,105 sq. ft.

Second Floor- 15,295 sq. ft.

Third Floor- 14386 sq. ft.

Total: 41,786 sq. ft. (Includes covered areas)

Allowable area per floor (Table 503)- 23,000 sq.ft.- **OK**

Total allowable area, building (x3, per 506.4.1.2)- 69,000 sq. ft.- **OK**

DSA Info-

No DSA number.

Fire Sprinkler Info-

First Floor at West end entrance, Service Room 116. Viking Sprinkler system.

SFM FILE #-