

D322 BUILDING CODES FOR COMMERCIAL BUILDINGS

Class 2: OCCUPANCY

(10 points)

EXERCISE 2- Occupancy & Occupant Load

Name: _____

Using the assigned floor plan complete the following tasks:

1. Identify Occupancy Groups

(4 points)

Color code the various occupancy groups & divisions present in the plan; use one color for each of the separate occupancies wherever they occur. Clearly identify which **occupancy group & division** is designated by the various colors you select. DO NOT worry about the classification of hallways, corridors, lobbies, elevators, stairs or toilet rooms.

2. Compartmentalization: Occupancy Separation & Incidental Accessory Occupancy

(2 points)

Indicate in red those walls that separate occupancies required to have a fire-rated separation between them according to the separated occupancy requirements in the code.

3. Occupancy Loads

(4 points)

Calculate the floor area, find the Floor Area in Sq. Ft. per Occupant according to code, then calculate the Design Occupant Load of the following rooms or areas:

	Floor Area	Floor Area Per Occupant	Occupant Load
Auditorium #104	_____	_____	_____
Office Suite #106, 106A, B, and C	_____	_____	_____
Day Care #110	_____	_____	_____
Conference #107	_____	_____	_____