



**ARM CHAIR CLASSROOM LAYOUT GUIDELINES**

NOTE: The capacity for each classroom shall be determined by laying out the floor plan with the following guide lines.

1. 10'-0" from front wall to back of chairs in first row.
2. Chairs spaced 3'-2" from back to back and on 2'-2" centers laterally.
3. A. Less than 8 chairs wide: 6'-0" total aisle, measured from center of chair.  
 B. 8 or more chairs wide: 8'-0" total aisle, measured from center of chair.
4. Second door, if more than 50 stations.
5. 3'-0" lateral aisle at rear of flat floor, if 2 doors and more than 7 chairs wide.
6. 6" from backs of chairs in rear row to rear wall if no lateral aisle at rear.
7. Deduct 2'-6" (and correspondingly from square footage) if no lateral aisle on rooms with 7 or less rows deep.
8. \* Classroom assignable square feet per station criteria:

Station Count	ASSIGNABLE SQUARE FEET PER STATION			
	Tables & Chairs	Armchairs	Small	Large
5-9	20-30		20	30
10-19	20-30		18	22
20-29	20-30		16	20
30-39	20-25		15	18
40-49	18-22		14	16
50-59	18-22		14	16
60-99	18-22		13	15
100-149	16-20		11	14
150-299	16-20		10	14
300+	16-18		9	12

\* Above chart taken from manual two, classroom and class laboratory facilities of the Higher Education Facilities Planning and Management Manuals, May 1971.

9. Make sure exits will handle the classroom capacity; means of egress is measured in units of exit width of 22 inches. The 22" width needed for the orderly movement of a single file of people along a passageway. Fractions of a unit less than 12 inches shall not be counted. Fractions of a unit comprising 12 or more inches, added to one or more full unit, shall be counted as 1/2 unit of exit width. For example, a 36" door would be 1 1/2 units of exit capacity and a 48" door would be 2 units of exit capacity. The capacities of units of exit width are

based on a time period considered to be a safe exiting time and they are as follows; 100 for doors and corridors, 60 for stairways and ramps as follows:

	Class A	Class B
Minimum width	44"	30"
Maximum slope	1" in 10"	1" in 8"
Maximum height between landings	no limit	12 ft.
Capacity (unit of exit width)		
Up	100	60
Down	100	100

\* Above chart taken from the "Life Safety Code Handbook" 1978.

10. In cases where the classroom capacity would need to be increased, the location and type of exits as well as enclosed stairwells must be considered.
11. To determine the capacity in classrooms using tables and chairs; a layout must be made using the sizes of tables and chairs.