



## Selecting The Correct Screen Size

- ☞ Rule of thumb: The height of the screen should be 17% of the distance from the screen to the last row of seats. After the height is established, the width of the screen will be determined by the desired aspect ratio. A larger screen may be more desirable for displaying fine detail.
- ☞ The first row of seats should be at least two screen heights away from the screen.
- ☞ The bottom of the screen should be at least 42" from the floor. In the case of high ceilings be sure to specify extra drop so that the bottom of the screen is the desired distance from the floor.
- ☞ For best visibility the viewing angle should not exceed 50 degrees from the screen centerline.

*Formulas for calculating screen dimensions...*

SQUARE (1:1)  
 $D = W \times 1.414$   
 $W = D / 1.414$   
 $H = W / 1$

5:4 (1.25:1)  
 $D = W \times 1.280$   
 $W = D / 1.280$   
 $H = W / 1.250$

4:3 (1.33:1)  
 $D = W \times 1.250$   
 $W = D / 1.250$   
 $H = W / 1.333$

16:9 (1.77:1)  
 $D = W \times 1.146$   
 $W = D / 1.146$   
 $H = W / 1.777$

