

OR Zone Area Calculations

400 sq ft cart equipped OR

Green Zone area is 10' x 6' ellipse

-Use $\pi \times \text{radius1} \times \text{radius2}$ to calculate the area of an ellipse

-Then...radius1=5' and radius2=3'

$3.14 \times 5 \times 3 = 47 \text{ sq ft.}$

Red Zone is a 14' diameter circle

-Use $\pi \times r^2$ to calculate the area of a circle

- $3.14 \times 7^2 = 154 \text{ sq ft.}$

-Subtract area of ellipse from area of circle to determine the area of the Red Zone

$154 - 47 = 107 \text{ sq ft.}$

Blue Zone

-Subtract the area of the circle to determine the remaining area of the room

Assumptions:

Video Towers = 5 sq ft. each

Laser Carts = 4 sq ft each

$5+5+4+4 = 18 \text{ sq ft Total}$

Red Zone (107) - Cart Foot print (18) = Net

Red Zone Usable Space (89 sq ft)

600 sq ft OR with large equipment Shelf boom

*Note that the room area has been increased 50% to reflect current architectural trends.

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Blue Zone

-Subtract the area of the circle to determine the remaining area of the room

Assumptions:

Berchtold large equipment shelf, handles, and service column = 10 sq ft.

Red Zone (107) - Cart Foot print (18) = Net

Red Zone Usable Space (97 sq ft)

400 sq ft Nuboom OR

Green Zone area is 10' x 6' ellipse

-Use $\pi \times \text{radius1} \times \text{radius2}$ to calculate the area of an ellipse

-Then...radius1=5' and radius2=3'

$3.14 \times 5 \times 3 = 47 \text{ sq ft.}$

Red Zone is a 14' diameter circle

-Use $\pi \times r^2$ to calculate the area of a circle

- $3.14 \times 7^2 = 154 \text{ sq ft.}$

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$154 - 47 = 107 \text{ sq ft.}$

Blue Zone

-Subtract the area of the circle to determine the remaining area of the room

Assumptions:

NuBoom = 8 sq ft print

Red Zone (107) - NuBoom Foot Print (8) = Net

Red Zone Usable Space (99 sq ft)