CALCULATING OUTDOOR PLACES OF ASSEMBLY CAPACITY

Step 1 - Area/Capacity Calculation Guidelines

- Determine net useable space (square footage) for occupants
- Net = gross area less bar/stands, port-potties, or any fixed obstructions
- 5 square feet per person - standing space
- 15 square feet per person – space with tables/chairs

Step 2 - Number of Exits Required

- For capacity between 1 – 500 – 2 exits required
- For capacity between 501 – 1000 – 3 exits required
- For capacities exceeding 1000 – 4 exits required
- Exits must be remote
    - not less than ½ of the maximum overall diagonal dimension of the area
- Exits through the building are not permitted
    - (Except when calculations are completed by design professional and approved)
- **EMERGENCY** exits may be added provided:
    - Same appearance from off property
    - Closed but not secured or latched (exception – approved exit hardware)
    - Staffed
    - Emergency exit only
    - Non-compliance means reduced capacity

Step 3 - Egress Width Determination

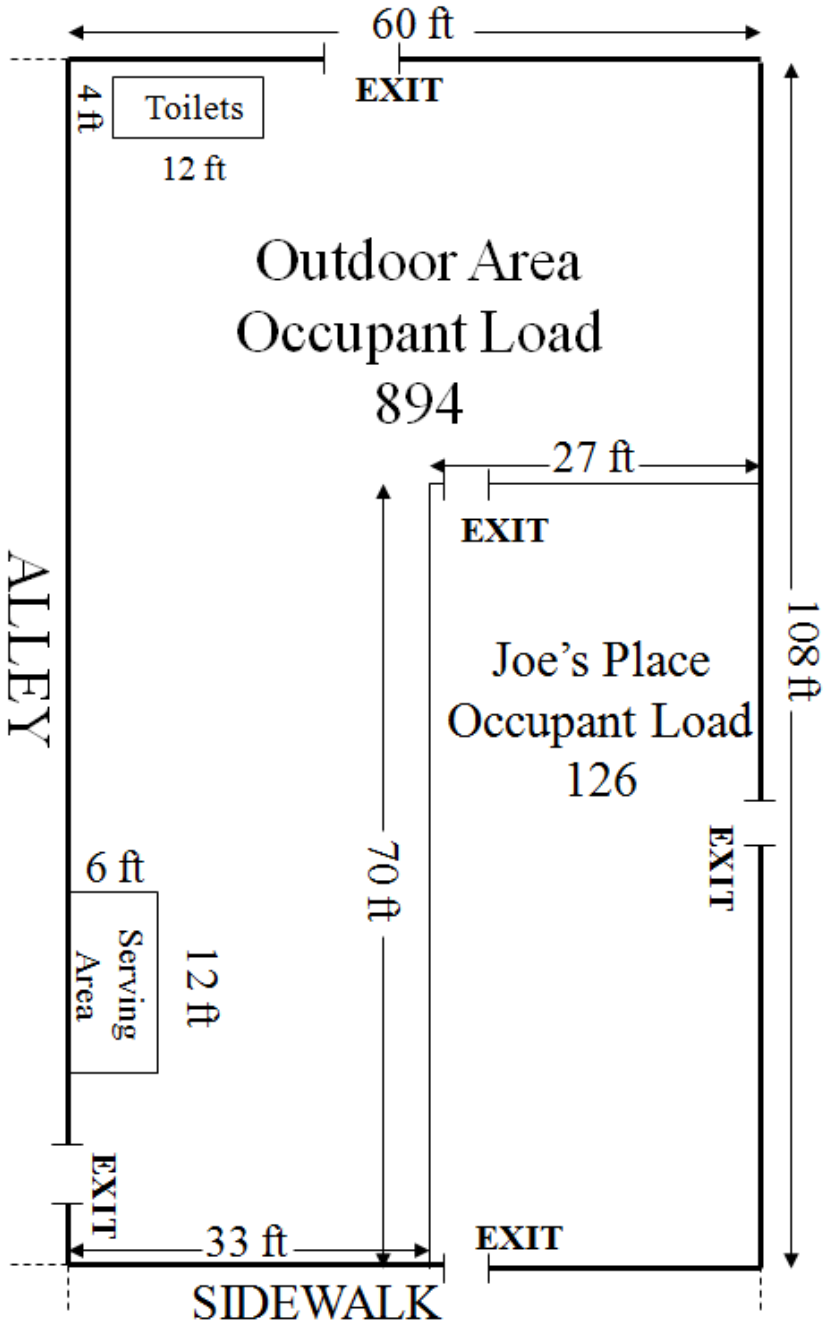
- Exit width must be provided to support the area calculations for capacity.
- .15 inches per occupant is required
- Area capacity number X .15 = inches of exit width in inches
- Exits width from the building into the enclosure must be added to the required width for the outside capacity
- Exits must be sized to accommodate not less than 50% of the approved capacity

Step 4 - Exit Discharge

- Exits must be to the public way
- Exits and exit discharge must be on-site
- Exit width must be provided and maintained
- Exits are not permitted to discharge onto or into property that is not controlled by the outdoor place of assembly owner
    - Exception – public way

Step 5 Submittal

- Scaled or dimensioned drawings
- Three sets of plans
- All calculations must be submitted
- Once approved, always approved
- Any changes must be submitted for approval



Outdoor Occupant Load

- 33' x 70' = 2310
- 60' x 38' = 2280

4590 ft^2

toilets <48>

serving area <72>

4470 ft^2

4470/5 = **894** people

Gross Outdoor O.L. = 894

Indoor Occupant Load

- 70' x 27' = 1890 ft^2

1890/15 = **126** people

1020

Net Outdoor Occupant Load

Egress Width Needed

1020 X .15 = 153 in

Add 36 in of egress width to compensate for bar exiting into outdoor space

Need 15.75 ft egress width