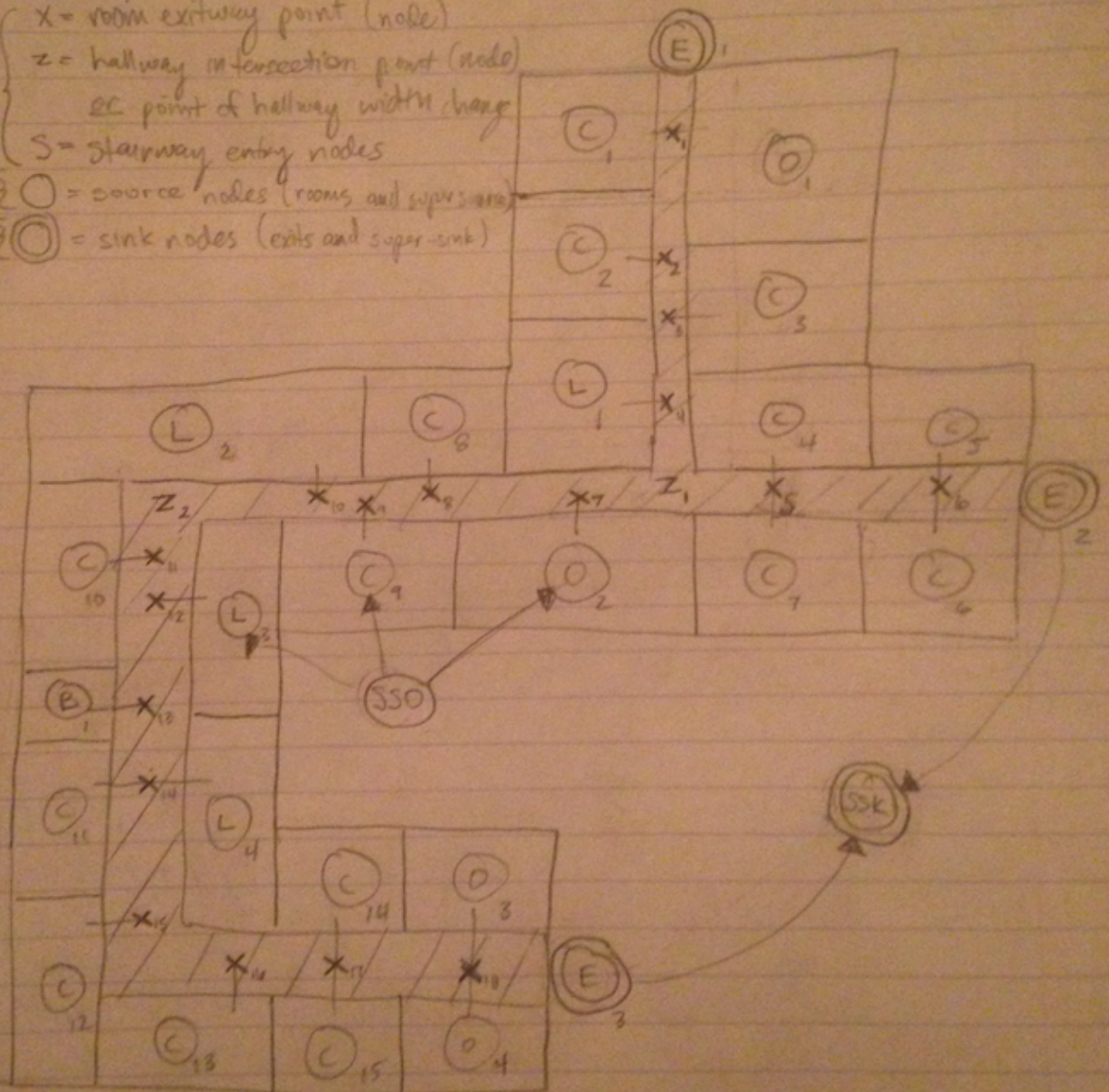


# Test Model: Evacuation Optimization

Key

- $x$  = room exitway point (node)
- $z$  = hallway intersection point (node)  
or point of hallway width change
- $s$  = stairway entry nodes
- Superset 2:  $\bigcirc$  = source nodes (rooms and supersource)
- Superset 3:  $\bigcirc$  = sink nodes (exits and super-sink)



Note: in GAMS model,  $x, z, s$  is represented by  $2 \times h, 4h, sh$