

How to calculate the minimum number of toilet fixtures

1. Go to Illinois Plumbing Code
<http://www.ilga.gov/commission/jcar/admincode/077/07700890sections.html>
2. Go to section 890.810
3. Calculate occupant load from the code (public and employees) – this section tells you to either determine the number of people based on fixed seating (such as a theater or restaurant), or base the occupancy on so many square feet per person as shown in the table for building type or occupancy.
4. Assume half of people in building are males and half are females.
5. Go to Subpart M, section 890, Appendix A, Table B Minimum Number of Plumbing Fixtures. This section has tables for every type of building. If your building has several mixed occupancies, you will need to determine the number of toilet fixtures dedicated to each occupancy.
6. Every toilet room must be accessible. If a toilet room has more than one water closet in it, one toilet stall must be at least 5'-0" x 5'-0" square. The other stalls may be 3'-0" wide x 5'-0" deep. There must be at least 4'-0" clear between the toilet stall doors and the wall opposite it to allow a person in a wheelchair to exit the stall and turn. Every lavatory and urinal must be accessible.