**Decoded 3 Exercise – Classification of Occupancy**

Identify the occupancy classification (NFPA 101) and the use group (IBC) for each of the following types of buildings. Try it without looking at the examples in Annex A of NFPA 101.

**Building Type NFPA 101 IBC**

1. Library
2. Assisted Living Facility
3. Dentist’s Office
4. Ice Skating Rink
5. Hospital
6. Airport Terminal
7. Hotel
8. Prison
9. Halloween Haunted House (100 people)
10. Day Care Center (80 children)
11. Day Care Center (120 children)
12. Synagogue
13. Barn (for livestock)
14. Dormitory
15. Coffee Shop (occupant load of 40)
16. Gasoline Storage Facility
17. College Classroom (occupant load of 60)
18. Dry Cleaning Plant
19. Apartment Building
20. Grocery Store
21. Restaurant
22. School
23. Parking Garage
24. Substance Abuse Rehab Facility
25. Nursing Home
26. Museum
27. Office Building
28. Glass Manufacturing Facility
29. Theater
30. Post Office
31. Stadium
32. Office Conference Room (45 people)

**Answers:**

**Building Type NFPA 101 IBC**

1. Library Assembly A-3
2. Assisted Living Facility Res. Board & Care I-1
3. Dentist’s Office Business B
4. Ice Skating Rink Assembly A-4
5. Hospital Health Care I-2
6. Airport Terminal Assembly A-3
7. Hotel Residential R-1
8. Prison Detention/Correctional I-3
9. Halloween Haunted House (100 people) Assembly A-3
10. Day Care Center (80 children) Day Care E
11. Day Care Center (120 children) Day Care I-4
12. Synagogue Assembly A-3
13. Barn (for livestock) Storage U
14. Dormitory Residential R-2
15. Coffee Shop (occupant load of 40) Mercantile B
16. Gasoline Storage Facility High Hazard Industrial H\*
17. College Classroom (occupant load of 60) Assembly A-3
18. Dry Cleaning Plant Industrial F-1
19. Apartment Building Residential R-2
20. Grocery Store Mercantile M
21. Restaurant Assembly A-2
22. School Educational E
23. Parking Garage Storage S-2
24. Substance Abuse Rehab Facility Detention and Correctional I-1
25. Nursing Home Health Care I-2
26. Museum Assembly A-3
27. Office Building Business B
28. Glass Manufacturing Facility Industrial F-2
29. Theater Assembly A-1
30. Post Office Business B
31. Stadium Assembly A-5
32. Office Conference Room (45 people) Business B

\*Refer to IBC to determine subcategories of High Hazard occupancies.

**Notes about Multiple, Mixed, and Separated Occupancies:**

Multiple Occupancy – Two or more classes of occupancy exist. Two subclassifications:

* Mixed Occupancy – A multiple occupancy where the occupancies are intermingled. Each portion of the building is classified by its use. The most restrictive fire and life safety requirements apply to the whole building.
* Separated Occupancy – A multiple occupancy where the occupancies are separated by fire resistance rated assemblies. Each part of the building is treated as the applicable occupancy classification.