

Wisconsin Commercial Building Inspector Certification  
Chapter IBC 5 & 6 Practice Questions

**Answer Key 5**

Navigating the Wisconsin Commercial Building Code skill practice sheet. Find the Wisconsin Commercial Building Code section number associated with each of the key words.

**Chapter 5**

A basement shall be considered as a story above grade lane where the finished surface of the floor above the basement is:

**More than 6 feet above grade plane.**

**More than 12 feet above the finished ground level at any point.**

A reference plane representing the average of finished grade level adjoining the building at exterior walls is called the **GRADE PLANE**.

Building height is the vertical distance from **GRADE PLANE** to the average height of the highest roof surface.

The vertical distance from top to top of two successive finished floor surfaces is called a **STORY**.

Two or more buildings on the same lot may be considered as portions of one building if the height of each building and the aggregate area of building are within the limitation of **TABLE 503**.

The aggregate area of a mezzanine shall not exceed **ONE-THIRD** of the area of that room or space in which it is located.

The allowable height and building area of an A3 occupancy in a type VB building is **ONE STORY AND 6000 SQ.FT.**

The allowable height and building area of an S2 occupancy in a type IIIB building is **FOUR STORIES AND 26,000 SQUARE FEET PER FLOOR.**

The allowable height and building area of a B occupancy in a type IIB building is **FOUR STORIES AND 26,000SQFT.**

Building height can be increased where a building is protected **THROUGHOUT BY AN AUTOMATIC SPRINKLER SYSTEM.**

Areas increase per floor can be achieved by **FRONTAGE INCREASE CALCULATION** or **SPRINKLER PROTECTION** or **BOTH.**

Occupancies that are subsidiary to the main occupancy of the building are called **accessory** where the aggregate does not occupy more than 10 percent of the area of the story in which they are located.

The allowable area and height of the building complying with the provisions of **nonseparated mixed use** shall be based on the most restrictive allowances.

The maximum area of a building with three or more stories **above grade plane** shall be determined by multiplying the allowable area of the first story by **three**.

## **Chapter 6**

Types I and II construction are those types of construction in which the building elements listed in Table 601 are of **NONCOMBUSTIBLE MATERIALS**.

Construction **TYPE V** is that type of construction in which the structural elements, exterior walls and interior walls are of any materials permitted by this code.

Blocking such as for handrails is permitted in buildings of **TYPE I AND II** construction.

Fire retardant-treated wood shall be permitted in nonbearing exterior walls where no fire rating is required in **TYPE I AND II CONSTRUCTION**.

Type IB construction requires exterior bearing walls to be **2-HOUR** fire-resistance rated.

Where fire-resistive rating is required, does that rating extend to the members which have no connection to the columns or are considered secondary members? **NO**

What is the fire-resistance rating required for the exterior wall based on fire separation distance of <5 feet for a B occupancy? **1-HOUR**

What is the fire-resistance rating required for the exterior wall based on fire separation distance of <20 feet for a F-1 occupancy located in IB construction type? **1-HOUR**

Load bearing exterior walls must comply with the most restrictive requirements based on **TABLES 601** and **602**.