

# Ensuring Code Compliance in Architectural Drawings

## Part 1: Dialogue

**Scenario:** An Architectural Drafter is ensuring drawings comply with building codes and local regulations with a colleague.

**Yuki:** Before we finalize these plans, we need to run a **code compliance check** to make sure everything meets the latest regulations.

**Mark:** Absolutely. Have you referenced the **IBC (International Building Code)** for structural and safety requirements? That's our main guideline.

**Yuki:** Yes, I checked most of the structural and accessibility requirements, but we still need to do a **zoning setback review** to confirm the building footprint is within legal limits.

**Mark:** Good call. Some local ordinances might have stricter setback rules than the IBC, so we should verify that with the planning department.

**Yuki:** Agreed. I'll cross-check the setbacks and make sure the site layout aligns with those restrictions before we submit.

**Mark:** Another thing to confirm is the **fire separation rating** between units. Are we meeting the required fire-resistance ratings for shared walls?

**Yuki:** I calculated the fire separation for the residential floors, but I need to double-check if mixed-use areas require a higher rating.

**Mark:** That's a good idea. Also, for safety compliance, we should verify the **occupancy classification** to ensure the right egress and fire protection measures are in place.

**Yuki:** I categorized the spaces based on usage, but I'll go over the classifications again to confirm that each area meets the proper code requirements.

**Mark:** Perfect. Once we finalize these details, we can add the compliance notes to the drawings and get them ready for submission.

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## Part 2: Comprehension Questions

1. Why does Yuki want to do a **code compliance check** before finalizing the plans?
    - (A) To improve the overall aesthetic of the design
    - (B) To ensure the building meets current regulations and safety standards
    - (C) To increase the cost of construction materials
    - (D) To make sure the building has more windows
  2. What is the purpose of the **IBC (International Building Code)** in architectural drafting?
    - (A) It helps with interior decorating choices
    - (B) It establishes global real estate pricing
    - (C) It provides standardized safety and construction regulations
    - (D) It determines the best color schemes for buildings
  3. Why is a **zoning setback review** important?
    - (A) It ensures the building is positioned within legally defined property limits
    - (B) It prevents the building from collapsing in high winds
    - (C) It allows the architect to change the design without approval
    - (D) It helps to increase the number of floors in a structure
  4. What does Yuki mean by verifying the **occupancy classification**?
    - (A) Ensuring the space has a unique and creative interior layout
    - (B) Determining the correct use category to apply proper safety measures
    - (C) Checking the building's total height compared to nearby structures
    - (D) Confirming that employees are assigned to the right offices
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### Part 3: Vocabulary List

- **Code compliance check (建築基準適合チェック):** 設計が建築基準や法規制を満たしているかを確認するプロセス。

- **IBC (International Building Code) (国際建築基準):** 世界的に広く採用されている建築基準で、安全性、構造、耐火性、アクセス性などのルールを定める。
  - **Zoning setback review (ゾーニング後退距離の確認):** 建物が法的に定められた敷地境界線からの適切な距離内に収まっているかを確認する作業。
  - **Fire separation rating (防火区画の耐火等級):** 建物内の壁や天井が一定時間、火の広がりを抑える能力を持つかを示す基準。
  - **Occupancy classification (用途区分の分類):** 建物内の空間を使用目的別に分類し、それに応じた防火や避難計画の基準を適用すること。
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#### Part 4: Answer Key

1. Why does Yuki want to do a **code compliance check** before finalizing the plans?  
**(B) To ensure the building meets current regulations and safety standards**
2. What is the purpose of the **IBC (International Building Code)** in architectural drafting?  
**(C) It provides standardized safety and construction regulations**
3. Why is a **zoning setback review** important?  
**(A) It ensures the building is positioned within legally defined property limits**
4. What does Yuki mean by verifying the **occupancy classification**?  
**(B) Determining the correct use category to apply proper safety measures**