

# Specifying Doors and Windows in Architectural Drafting

## Part 1: Dialogue

**Scenario:** An Architectural Drafter is creating door and window schedules specifying sizes, materials, and finishes with a colleague.

**Kenji:** Before we finalize the drawings, let's make sure the **door and window schedules** are accurate. Have you double-checked the **window muntins** for each type?

**Rachel:** Yes, I verified them against the elevations. The traditional-style windows use simulated divided lights, while the modern ones have no **muntins** for a cleaner look.

**Kenji:** Perfect. Also, we need to confirm the **door swing clearance** for all entryways. If the clearances are too tight, it could create accessibility issues.

**Rachel:** I checked that! I made sure there's enough space for wheelchair access where required. Some of the double doors needed adjustments to meet code.

**Kenji:** Great. I'll mark the changes on the schedule and add a note for the contractor.

**Rachel:** What about the **fenestration U-value**? We need to confirm the thermal performance for energy efficiency compliance.

**Kenji:** I cross-checked the glass specifications. Most windows meet the required U-value, but we might need to upgrade a few for better insulation.

**Rachel:** That makes sense. Also, for the operable windows, we should specify the **sash operation** types so they install the correct mechanisms.

**Kenji:** Good point. I've noted which ones are casement, awning, and sliding. Oh, and don't forget the **louvered vents** for the mechanical room doors.

**Rachel:** Right! I'll make sure those are properly labeled in the schedule so they provide adequate ventilation. Almost done!

**Kenji:** Once we finalize these details, we'll be ready to submit the plans for approval. Let's double-check everything one last time before we send them out.

---

## Part 2: Comprehension Questions

1. Why does Kenji want to confirm the **door swing clearance**?
  - (A) To match the doors with the flooring material
  - (B) To ensure there's enough space for proper movement and accessibility
  - (C) To reduce the cost of door hardware
  - (D) To make sure all doors open outward
2. What does Rachel mean by checking the **fenestration U-value**?
  - (A) Confirming the structural load of the windows
  - (B) Checking how much heat is transferred through the windows
  - (C) Determining the price of custom windows
  - (D) Measuring the height of the window sashes
3. Why does Kenji mention **sash operation**?
  - (A) To verify how the windows open and function
  - (B) To decide on the exterior window colors
  - (C) To check how much sunlight enters the room
  - (D) To reduce the weight of the glass panels
4. Why does Rachel need to label **louvered vents** in the schedule?
  - (A) To add decorative elements to the doors
  - (B) To ensure the vents provide necessary airflow for mechanical rooms
  - (C) To keep out insects and debris
  - (D) To increase the window-to-wall ratio in the design

---

## Part 3: Vocabulary List

- **Window muntins (窓棧・マリオン):** 窓ガラスを分割する細い格子状の部材。伝統的なデザインでは装飾要素としても使われる。

- **Door swing clearance (ドア開閉クリアランス):** ドアが開閉する際に必要なスペース。バリアフリー設計では特に重要。
  - **Fenestration U-value (開口部 U 値):** 窓やガラスの断熱性能を示す指標。値が低いほど熱損失が少なく、省エネルギーに貢献する。
  - **Sash operation (窓の開閉方式):** 窓の開閉方法を指し、スライド式、縦すべり出し式、内倒し式などがある。
  - **Louvered vents (ルーバー付き換気口):** 空気の流れを確保するために設置される開口部。特に機械室や倉庫の換気に使用される。
- 

#### Part 4: Answer Key

1. Why does Kenji want to confirm the **door swing clearance**?  
**(B) To ensure there's enough space for proper movement and accessibility**
2. What does Rachel mean by checking the **fenestration U-value**?  
**(B) Checking how much heat is transferred through the windows**
3. Why does Kenji mention **sash operation**?  
**(A) To verify how the windows open and function**
4. Why does Rachel need to label **louvered vents** in the schedule?  
**(B) To ensure the vents provide necessary airflow for mechanical rooms**