

# What Is Construction Documentation and Detailing?

## Worksheet

Construction documents (CDs) are the complete, coordinated set of drawings and specifications - including detailed sections showing exactly how materials meet and assemble - that a contractor uses to build and a jurisdiction uses to issue a permit.

## Questions

1. At a scale of  $1/4" = 1'-0"$ , what is the scale factor?  
A) 12  
B) 24  
C) 48  
D) 96
2. A drawing dimension of 2 inches at scale factor 48 represents what real length?  
A) 8 ft  
B) 4 ft  
C) 96 ft  
D) 2 ft
3. Which phase comes immediately before Construction Documents?  
A) Schematic Design  
B) Design Development  
C) Bidding  
D) Construction Administration
4. What is the primary purpose of a wall detail drawing?  
A) To show the building's overall footprint  
B) To show exactly how materials and layers assemble at a condition  
C) To list the project budget  
D) To show furniture layout
5. A wall detail is drawn at  $1/4" = 1'-0"$  scale (scale factor 48). A dimension on the drawing measures 3 inches. What is the real-world length?
6. A detail drawing uses  $3" = 1'-0"$  scale (scale factor 4). A measured line is 1.5 inches on paper. What is the actual dimension?
7. A set of construction documents has 45 sheets. If detail sheets make up 20% of the set, how many sheets are details?
8. Define: What are construction documents (CDs)?
9. Define: What is an architectural detail?
10. Define: What does  $1/4" = 1'-0"$  mean?

## Answer Key

1. C)  $48 - 1/4$  inch equals 12 inches (1 ft), so  $12 \times 0.25 = 48$ .
2. A)  $8 \text{ ft} - 2 \times 48 = 96 \text{ in} = 8 \text{ ft}$ .
3. B) Design Development - Design Development refines the schematic design before final CDs are drawn.
4. B) To show exactly how materials and layers assemble at a condition - Details zoom in on specific conditions to show precise material assembly.
5. Real length = Drawing length Scale factor  
Real length =  $3 \times 48 = 144 \text{ in} = 12 \text{ ft}$
6. Real length =  $1.5 \times 4 = 6 \text{ in}$
7. Detail sheets =  $45 \times 0.20 = 9$  sheets
8. The complete drawing and specification set used to permit and build a project - the final, most detailed design phase.
9. An enlarged drawing (often  $3"=1'-0"$  or larger) showing exactly how materials and assemblies connect.
10. A scale where every  $1/4$  inch on the drawing equals 1 real foot (scale factor of 48).

### **Bounlu**

All cards, step-by-step solutions and an AI tutor are in the Notek app.  
Promy turns exam dates into automatic reminders.