

## **Carpentry & Building Construction**

### **Chapter 2 Building Codes & Planning**

#### **Section 2.1 Assessment Answers**

1. A standard set of regulations that govern the procedures and details of construction. Its purpose is to ensure that buildings are structurally sound and safe from fire and other hazards.
2. A formal, printed authorization for the builder to begin construction. To obtain a permit, the builder must submit a full set of working drawings to the local building department.
3. Certificate of occupancy (CO).
4. A long-term (15 to 30 years) loan that is secured by the property.
5. 2,750 feet

#### **Section 2.2 Assessment Answers**

1. They are composed of long and short dashes, alternately and evenly spaced with a long dash at each end. At intersections, the short dashes cross. They are used to indicate the center of an object.
2. They mark the end points of a dimension and should not touch the outline of the object.
3. Answers will vary.
4. Computer-aided drafting and design is used to create site plans, floor plans, elevation drawings, and perspective drawings of a structure.
5. Drawings will vary.

#### **Section 2.3 Assessment Answers**

1. Site plan, foundation plan, reflected ceiling plan, framing plan, electrical plan, mechanical plan
2. Typical sections show construction features that are repeated many times throughout a structure. They are labeled "TYP" or "Typical."
3. Answers will vary.
4. Information about the materials and finishes to be used for floors, walls, and ceilings for each room, including hallways.
5. On center, board feet, foundation, hall.

#### **Section 2.4 Assessment Answers**

1. If estimates are overestimated too often, the contractor may lose jobs to contractors with lower, more accurate bids.
2. Answers will vary.
3. B. Temporary Power, F. Floor Framing, G. Backfilling, D. Insulation, E. Finish Carpentry, A. Interior Painting, C. Floor Coverings.
4. The arrows on the diagram indicate tasks. The tail of the arrow represents the start of a task, and the head represents the end. Nodes, represent events that can be key achievements in the project.
5. Graphs will vary.