

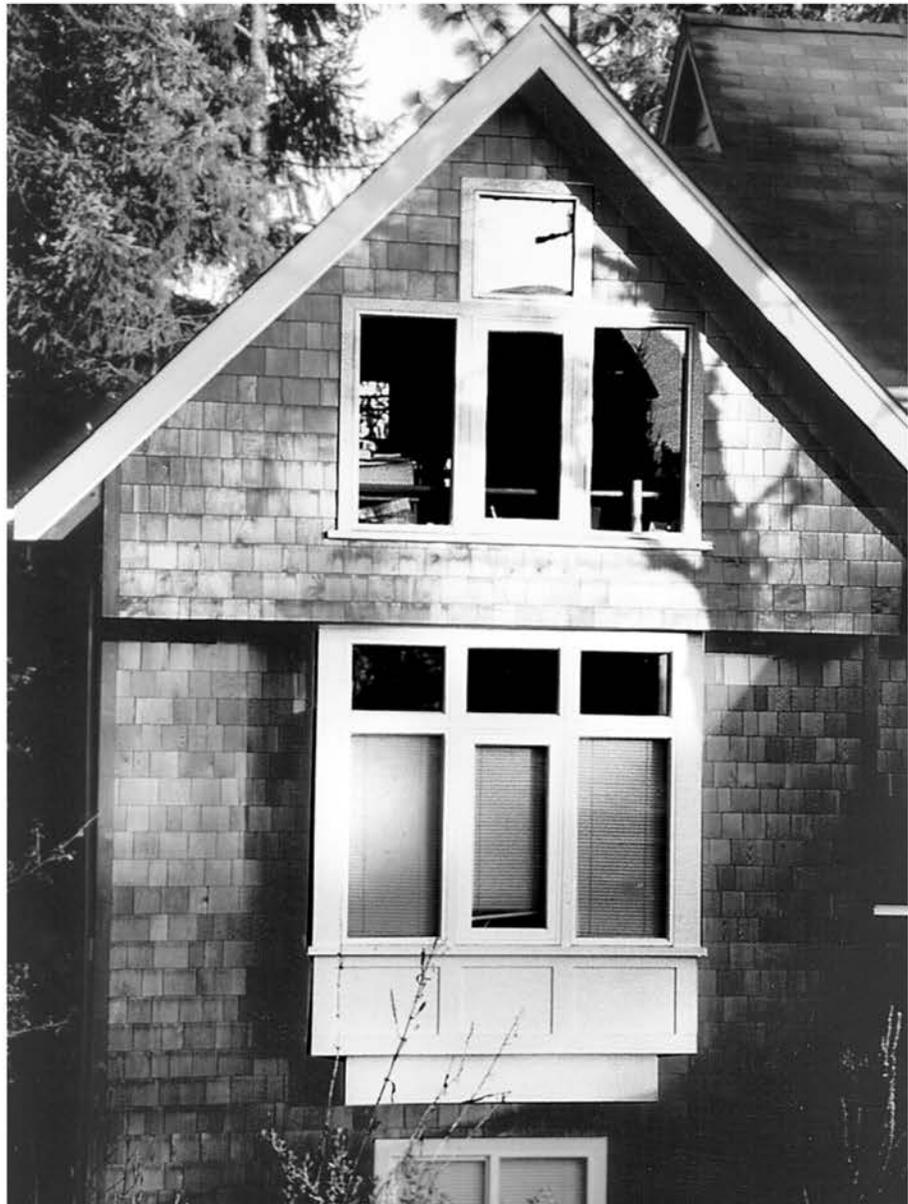
traditional trim. It is generally applied by the same carpenters who install the windows and doors. Flashings must be integrated with the trim at the heads of windows and doors. Trim installation must be coordinated with the painter because the trim is often painted a different color than the surrounding siding.

The materials of choice for exterior trim have traditionally been clear vertical-grain western red cedar or redwood. These woods resist decay, remain stable, work easily, and hold paint well. However, these materials have become costly, so lower grades of these woods and other species as well as composite materials are often used instead. Composite woods include laminated veneer lumber (LVL), hardboard, fiber-cement, and finger-jointed trims.

## SIDING

The exterior cladding material applied to the walls of a residence is referred to as *siding*. Many different types of materials can be used as siding: wood boards with various profiles, applied either horizontally or vertically; imitation board sidings made of metal, vinyl, or concrete; plywood siding; wood shingles; stucco; imitation stucco; and brick or stone masonry (Figures 13.7 to 13.29).

The primary purpose of siding is to protect the walls from weather while presenting an attractive appearance. Siding materials must be able to endure moisture in the form of water vapor, rain, and melted snow; thermal expansion and contraction due to extreme heat and cold; freezing temperatures that can cause cracking and splitting in the presence of moisture; and ultraviolet degradation from direct sunlight. Some siding materials are coated with paint or stain to prolong their durability. The effectiveness of siding materials is enhanced by the weather barrier just under them, which provides a second line of defense against the weather.



**FIGURE 13.6**

Trim is used effectively on this house to emphasize parts of the composition. The eye is drawn to the central bay, which is made entirely of windows and painted trim. The attic windows and rafters above are painted to complement the bay. Notice that the central windows have less glass area because they contain an operable sash for ventilation. (Photo by Rob Thallon)

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# FUNDAMENTALS OF RESIDENTIAL CONSTRUCTION

THIRD EDITION

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**Edward Allen**  
and  
**Rob Thallon**

Featuring the Drawings of  
**Joseph Iano**



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