



Windows in hard-to-reach places can be opened with Andersen Corp.'s remote-control window operator. Up to four roof or awning windows can be opened or closed separately or in series. A rain-sensor strip closes the windows when it rains. For more information, write Andersen Corp., Bayport, MI. 55003.

More to windows than meets the eye

Home planners, builders and owners selecting windows need to consider 11 questions, says the University of Illinois building research council.

- Will the window provide adequate daylight?
- Can it provide desired ventilation?
- Is it free from objectionable obstructions to view?
- Can it be operated easily?
- Is it adaptable to the building's framing system?
- Can it provide an emergency exit?
- Is the window weather-tight when closed?
- Can it be opened without interfering with draperies, blinds or furniture?
- Can it be fitted easily with screens, storm sash, or insulating panels, as required?
- Can it be washed easily?
- Can it be maintained inexpensively?

RESIDENTIAL windows are one or a combination of three basic types — sliding, swinging, or fixed — and there are a variety of combinations, designs and materials, says the university's Small Homes Council-Building Research Council in the eight-page, illustrated publication, "Selecting Windows."

Sliding windows are awkward to open and close when located above the kitchen sink or large pieces of furniture. Windows controlled by hand cranks do not pose this problem.

Divisions of a window may block a view if bars are at eye level. Out-

swinging windows should be avoided if they protrude into walk or play areas.

Fixed windows do not provide ventilation, but do admit daylight and provide view. Weatherstripping, hardware and screens are unnecessary, saving costs. Fixed windows may be of large size. They are often combined with sliding or swinging windows to provide light, ventilation and view all in one opening.

Sliding glass patio doors provide passage and large areas of floor-to-ceiling glass with light and unobstructed view, but are now being used less often due to difficulty in controlling heat gain and loss, the publication says.

BASEMENT windows which are above grade level could provide easy access to intruders. Bottom-hinged windows provide better security. Basement windows below grade are usually in window wells, which tend to accumulate leaves and debris.

These lead to paint peeling, metal corrosion and frame deterioration. Removable plastic covers over the window wells minimize this accumulation and also provide rain cover.

Council Note F11.1, "Selecting Windows," was prepared by Seichi Konzo and Henry R. Spies of the council staff. Copies are 50 cents each, plus 50 cents for postage and handling.

The maximum shipping and handling charge is \$1.50. MasterCard and Visa credit cards are accepted. Quantity rates are available. Order from Small Homes Council-Building Research Council, University of Illinois, 1 E. St. Mary's Road, Champaign, Ill. 61820.

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