Residential Window Unit Types

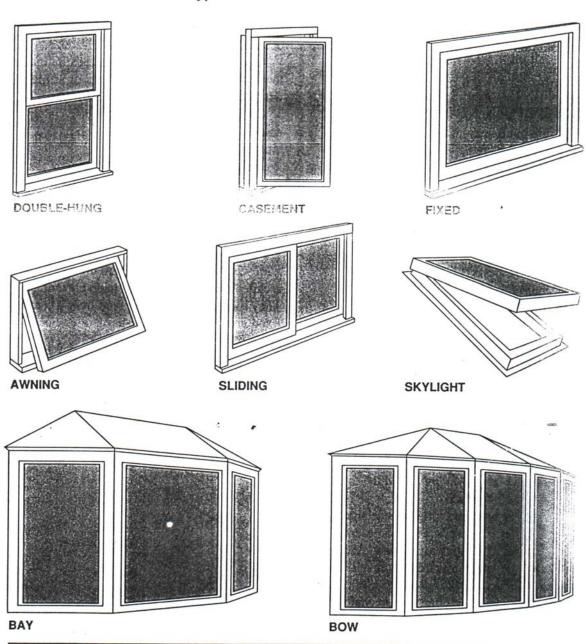
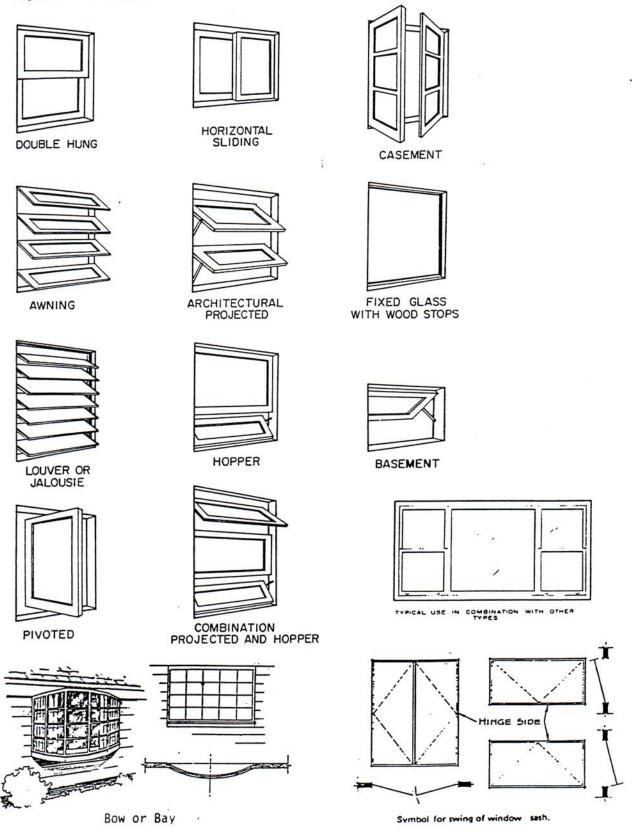
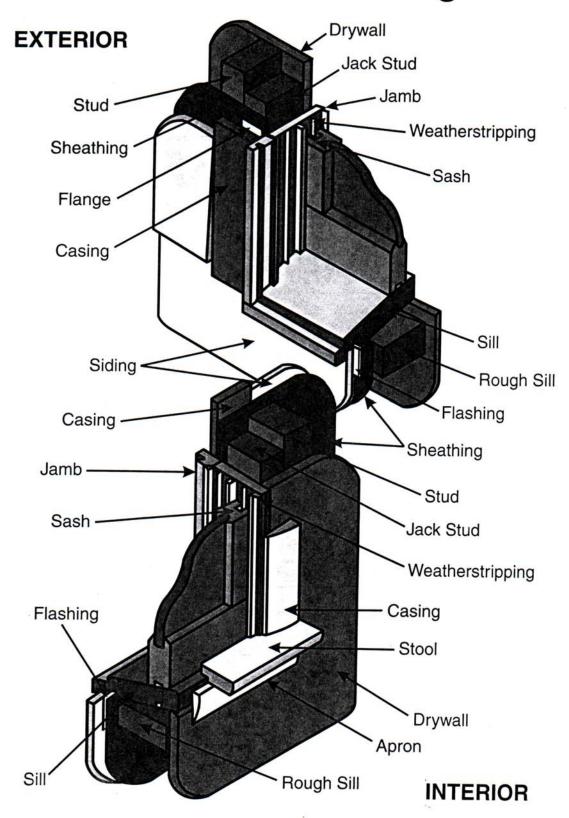


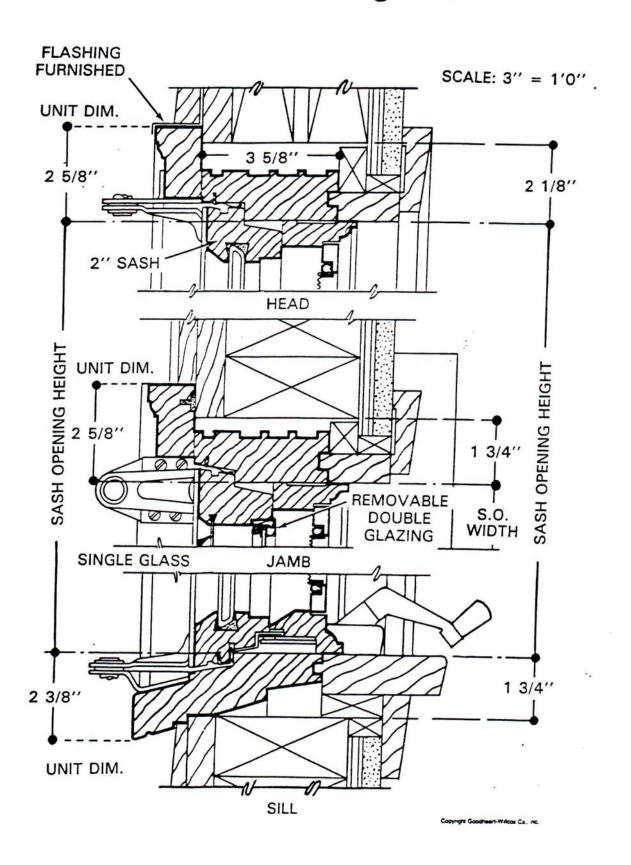
Fig. 8-16 Window types.



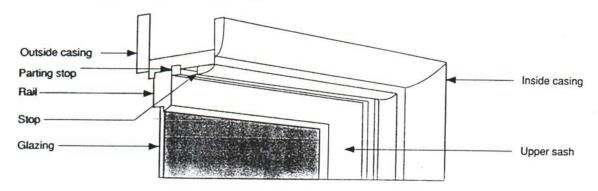
Modern Window Design

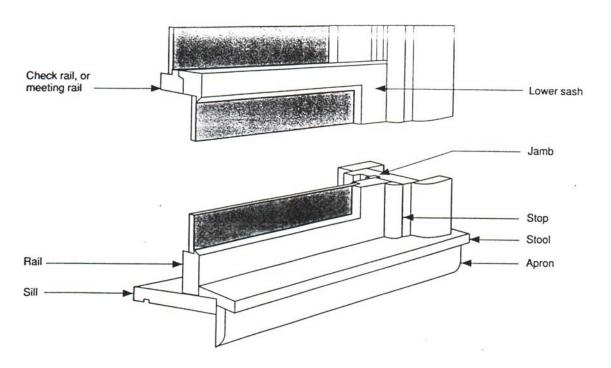


Window Framing Detail

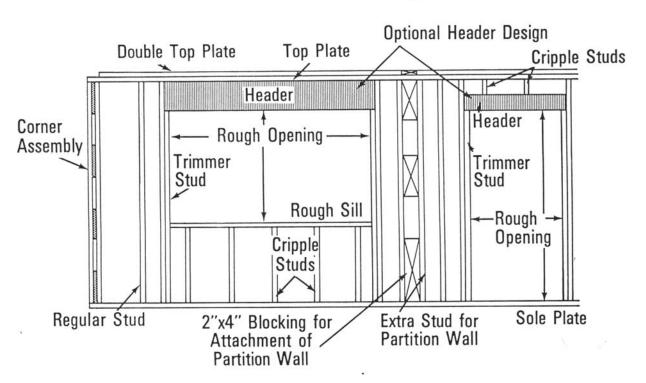


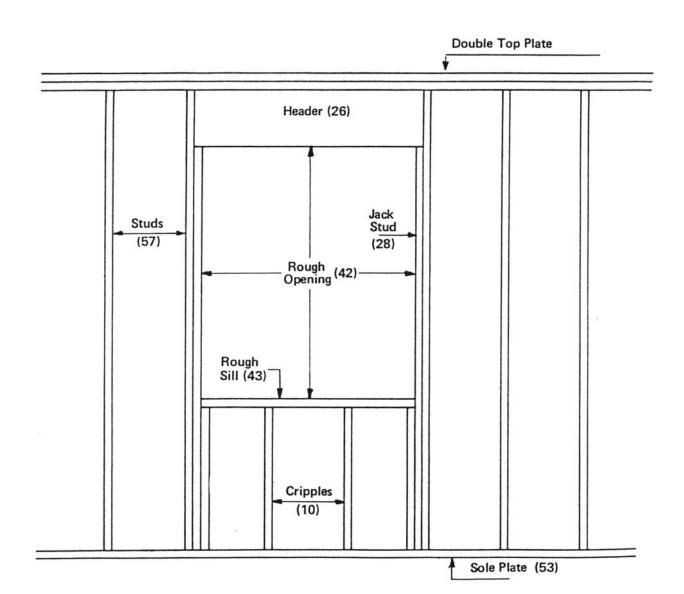
Window Anatomy and Terminology



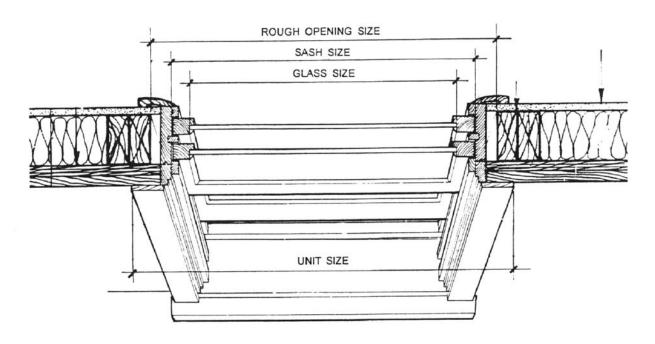


Wall and Partition Framing Members



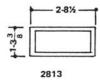


Window Measurements



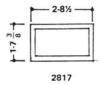
PREFINISHED BASEMENT/UTILITY WINDOW NUMBERING SYSTEM

Numbering system is based on unit dimension in feet and inches.



28 — Unit Dimension Width (2'-8") 13 — Unit Dimension Height (1'-3")

This unit will fit a block wall 2 blocks wide and 2 blocks high.



28 - Unit Dimension Width (2'-8") 17 - Unit Dimension Height (1'-7")

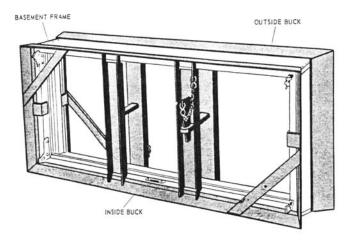
This unit will fit a block wall 2 blocks wide and 2½ blocks high.



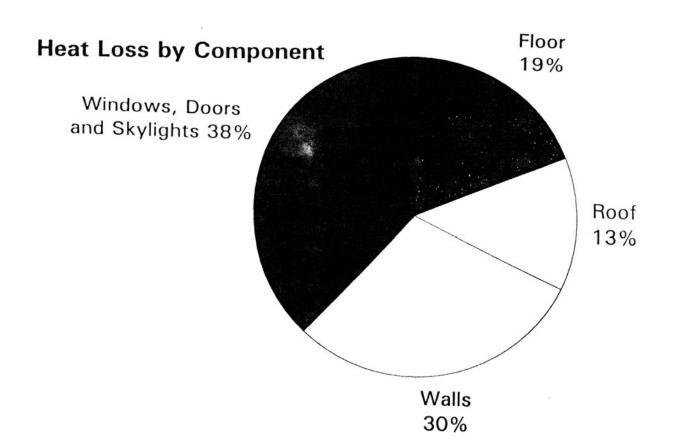
28 - Unit Dimension Width (2'-8") 20 - Unit Dimension Height (2'-0")

This unit will fit a block wall 2 blocks wide and 3 blocks high.

SPLIT STEEL BUCK

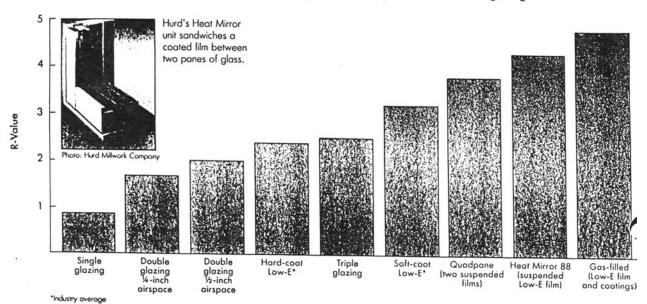


Andersen split steel bucks are available for 8, 10 and 12 inch poured concrete walls.



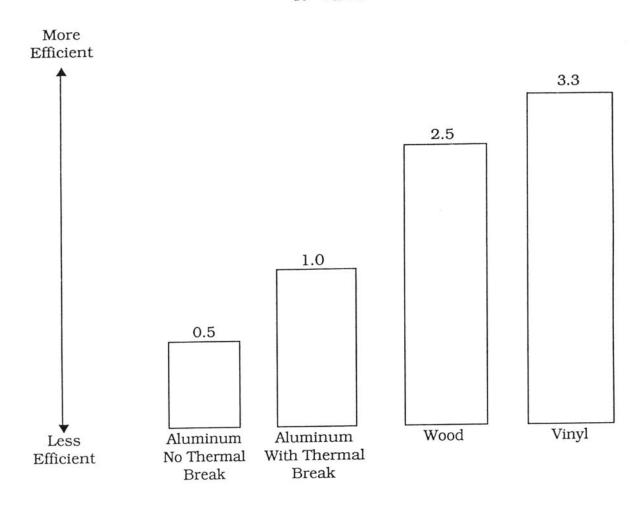
COMPARING GLAZING R-VALUES (Double glazing unless otherwise specified)

The new generation of energy-saving windows can nearly triple the efficiency of standard double glazing.



Insulating Values of Window Frame Materials

R - Value



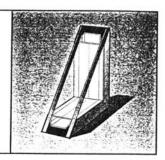
Source: Lawrence Berkeley Laboratory

Data based on typical window frame sizes.

GLOSSARY OF GLAZING TYPES:

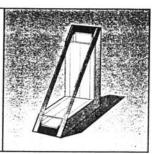
Dual Pane:

Two panes of glass separated by an airspace (also referred to as insulating glass).



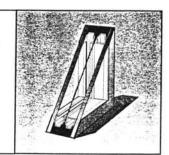
Low-E:

Two panes of glass, one of which is coated by a Low-E (low-emissivity) coating, separated by an airspace. The Low-E coating increases the windows insulating value. The airspace may be filled with an inert gas, which further adds to the insulating properties of the window.



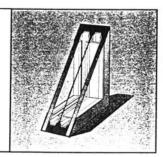
Heat Mirror™ TC-88:

Two panes of glass, with a non-tinted polyester film suspended and permanently sealed between them in the airspace. This film is coated on both sides with a low-emissivity material. The two resulting airspaces are filled with an inert gas mixture for additional insulating value. Gas retention is ensured by use of a dual seal system.



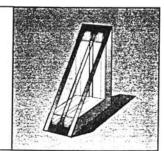
Sunbelter™ SC-75:

Similar to Heat Mirror TC-88, but the molecular structure of the low-emissivity coating is applied on one side and arranged in such a way as to provide better protection from outside solar heat.



In-Sol 88:

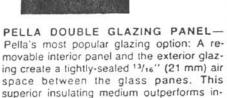
A glazing system incorporating two sheets of Low-E coated Heat Mirror film suspended between two panes of glass. The resulting three air spaces are then filled with a proprietary inert gas mixture, resulting in increased insulating value.



THE PELLA DOUBLE GLAZING PANEL SYSTEM



U .41 R 2.43



sulating glass-and at lower cost.

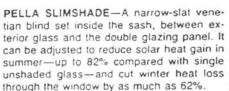


U .41 R 2.43

SOLARCOOL* BRONZE GLASS IN PANEL — Pella double glazing panels with this mirror-like exterior face reflect up to 35% of visible sunlight. Benefits: Reduced glare and ultraviolet damage to fabrics ...lower cooling costs, especially in buildings with large expanses of window glass.



U .30 R 3.33





U .31 R 3.23

PELLA TRIPLE GLAZING PANEL—Take the double glazing concept and add a one-two punch for coldest climates: The panel has two panes of glass and a separate ¼" air space in addition to the ¾" (19 mm) space within the sash. Triple glazing panels are offered for most vent-size units.

THE PELLA LOW-EMISSIVITY TYPE E SYSTEM



U. 23 R 4.35

PELLA TYPE E SLIMSHADE—Identical to the standard blind above except for its special gold-tone, low-emissivity finish on all stat surfaces. Winter U-value performance is 23% better than standard Slimshade...better than triple glazing.. equal to or better than performance of equivalent low-emissivity films in insulating glass.

PELLA "LOW-E" GLASS—A transparent coating on the double glazing panel (or in insulating glass) has characteristics similar to the Type E Slimshade U and R values vary by glazing type.

