

custom windows

The beauty of the dome is definitely enhanced by our ability to place windows in any one of its triangles. Window shape and size are not constraints. We bring the outdoors inside thru crystal clear float glass. We can flood that would-be dreary room with light all day, the moon at night and have a place for your favorite hanging plants.

Our window system was designed with only domes in mind. We didn't have to compromise any details. There simply is not another custom dome window as versatile, watertight and maintenance free.

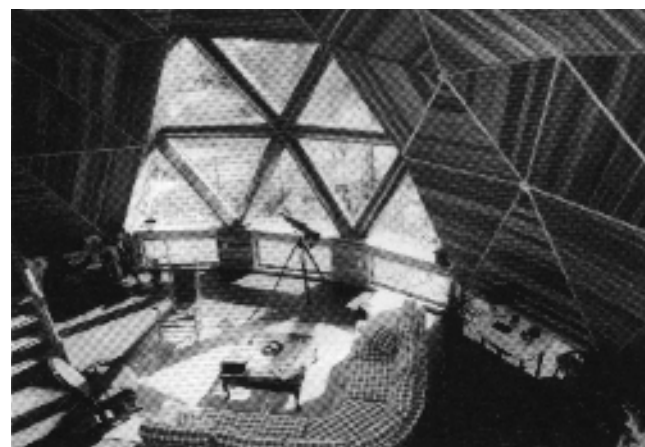
Why a Natural Spaces skylight?

We know that any window on a dome has to be treated as a skylight. It has to be designed so that the flashing integrates properly with the roof shingles. It has to be positioned for proper solar orientation. The shape and grouping should fit the size and mood of the room.

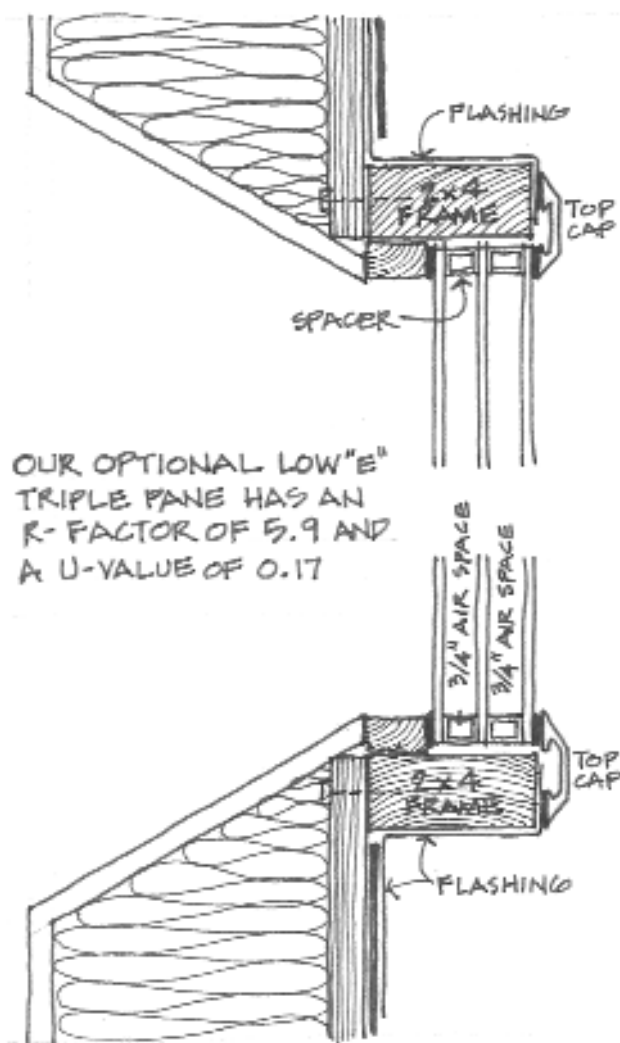
We custom design each window on every dome. Using a multitude of basic sizes that match the angles of each dome triangle, we achieve the correct grouping and placement for your particular dome and site.

Creating energy-efficient skylights. The key to the energy advantage of skylights is that they make direct use of the sun's light, transmitting solar light to reduce the demand for electricity for lighting, while efficiently utilizing the sun's heat to function as a passive solar collector. Triple pane construction combined with solar lighting and heating effects, offset the "energy negative" of heat conduction thru the glass.

We think you will agree as you read thru this book - Natural Spaces offers the widest variety, most options and highest quality in skylights.



look at these features -



OUR OPTIONAL LOW"E"
TRIPLE PANE HAS AN
R-FACTOR OF 5.9 AND
A U-VALUE OF 0.17

Natural Spaces insulated glass windows are available in double, triple and four pane systems. We use 3/16" and thick tempered glass, which is 5 times stronger than plate glass. Our skylights have made it thru hail storms where conventional 1/8" thick tempered glass skylights were blasted out.

By using glass instead of plastic, our windows remain crystal clear forever. We also have an air space between each pane creating one of the best insulating ratings obtainable. Low"E" is also an option.

Around the entire window is a perforated spacer channel containing Silicate, a dehydrating agent, absorbing any moisture that happens to be between the panes. The entire glass edge is hermetically sealed with a dual seal, applied under controlled conditions, to provide protection against any vapor penetration. The glass unit is manufactured and guaranteed against moisture between the panes for 5 or 10 years by one of the midwest's leading insulated glass suppliers. If, for some strange reason, it fails, it will be replaced, free of charge.

Our 2x4 wood frame is actually a structural frame. No interior framing or branching is required - simply mount the frame on top of our plywood skin, then lag screw thru the plywood into the #1 grade southern yellow pine frame.

Another feature is the 6" long flashing extending out from the window on all sides. Prefinished brown (15 optional colors are available), this flashing insures a proper seal with the roofing. Some other skylights come with only a 2" leg - barely enough to slip under or over the shingles.

Natural Spaces uses a special bronze anodized aluminium extrusion between the glass and exterior flashing. We use Tremco butyl tape sealants - the same type used in high-rise buildings. The "top cap" is secured using stainless steel screws and washers.

So sure are we of our design, that we offer a 5-year guarantee against any rain leakage thru our frame or flashing assembly.

We want to produce a true maintenance-free, long-lasting, good-looking, energy-efficient window - and we think we've done it.