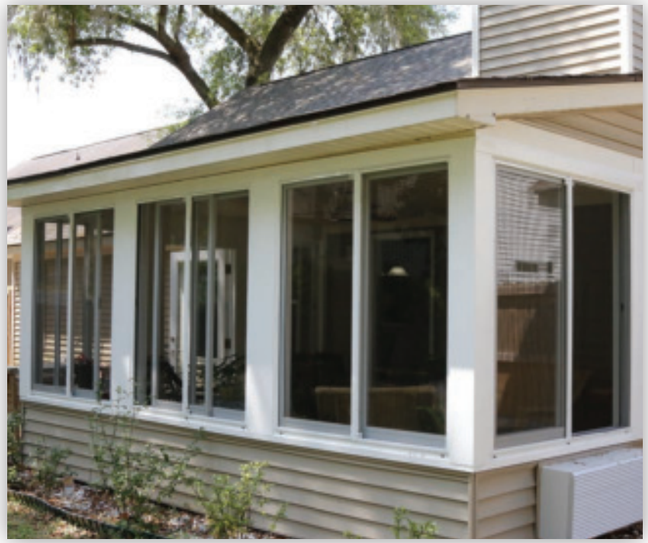
Building Codes

Any addition to the home will require engineering and must be compliant to the area's building codes and requirements. The required engineered drawings will show the building inspector how we are framing and building the room. The foundation, roof, walls, insulation, and electrical all require inspections of their own. The purpose behind building codes is to give reasonable assurance that the addition is safe from structural failure, fire hazards from electrical and heating systems, electrical shock, and other health risks.



Building Permit

Whether we are converting a screened porch into a sunroom or building an addition from the ground up, a permit is required. The permit provides a permanent record of the work performed, inspections conducted on the project and ensures the consumer that the structure meets the current building codes and regulations.

Energy Codes

When adding a sunroom that is climate controlled, all aspects of the room are required to meet all energy codes to date, including windows and doors. Rooms that include insulated flooring and ceilings require the proper R factor to meet the energy codes.

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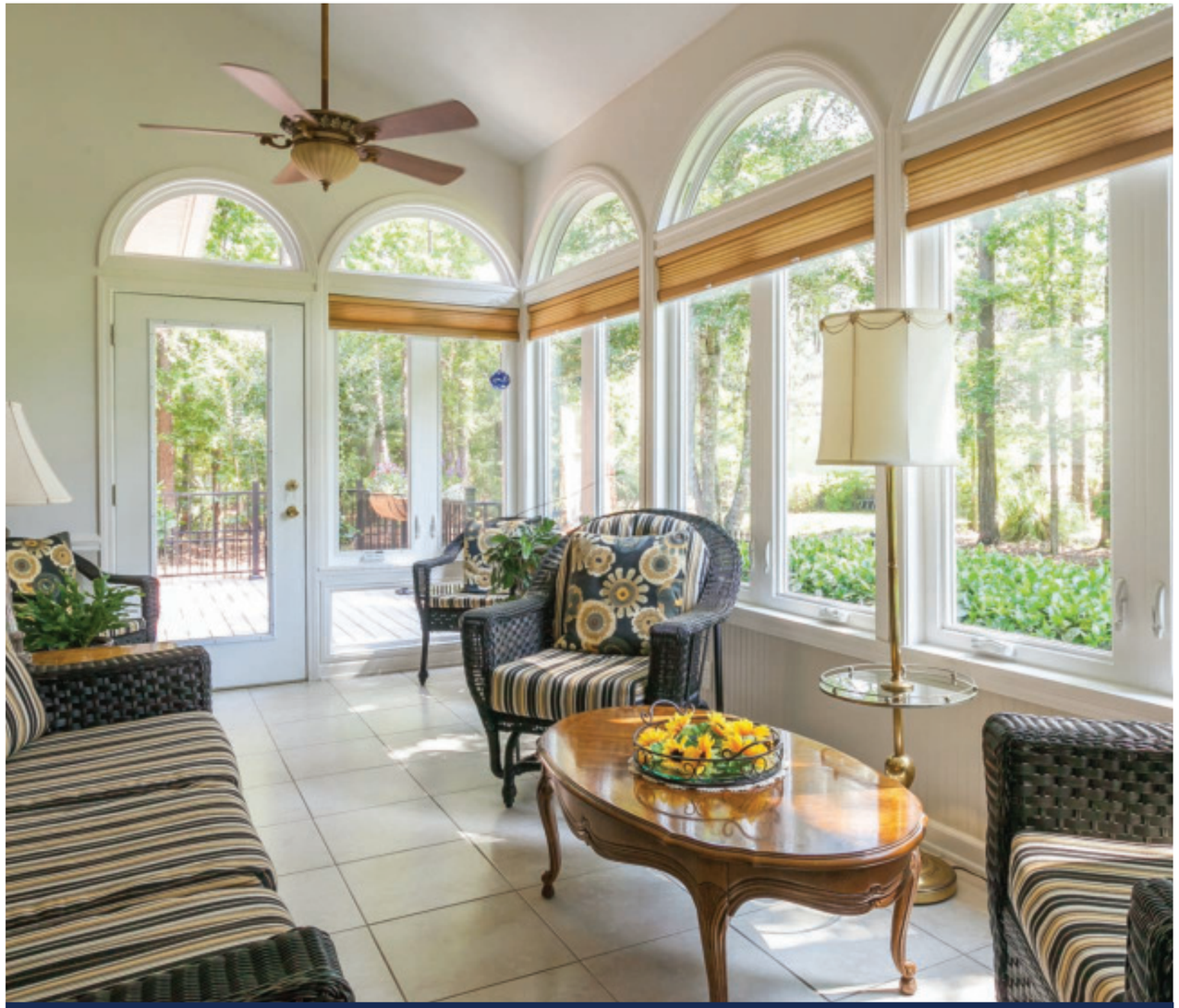
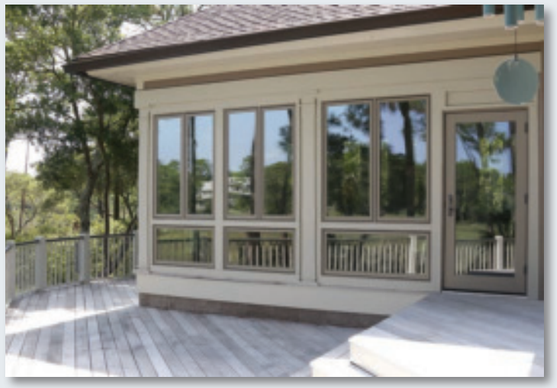


Muhler Sunrooms

Make your winters warmer and your summers cooler.



Renew Your Home with a Sunroom

If you're thinking about adding a sunroom to your home, it's important to plan ahead and equip yourself with information before you buy anything. There are many benefits to building a sunroom addition onto your home. A sunroom can offer you a wide, panoramic view of your yard while providing abundant natural light. A sunroom can add value and beauty to your home and be an invaluable gathering place for your family.

Choosing the Location of Your Sunroom

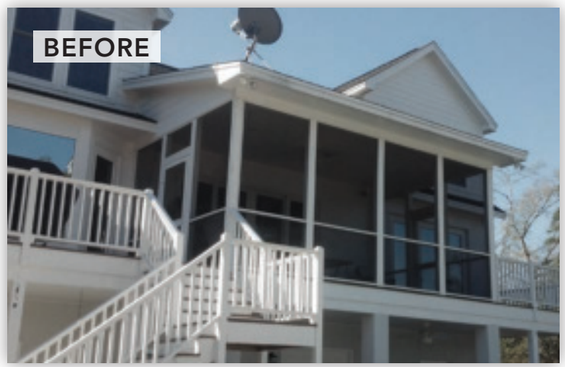
Typically, a sunroom is built on the first floor near the family room or kitchen. When determining the location it is important to ask a few questions:

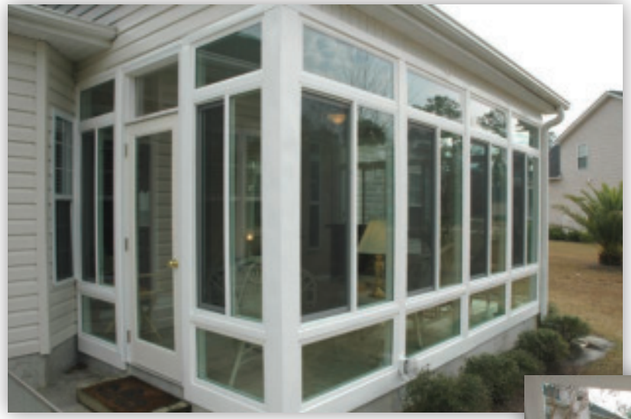
- Is there an area of your yard that you want to showcase, such as a garden or marsh view?
- Will the sunroom be built off an area of your home where there is already a door opening? It may save on cost if the sunroom is added to an area with an existing doorway.
- Where will you exit from the room to the outdoors?
- Are there any electrical, gas, or septic lines located in the area of the proposed site? All of these will be checked when determining the location of the sunroom.

Complementing Your Home

Matching the architecture of the rest of your home is an important factor to consider when having a sunroom designed. Be sure that the design incorporates functionality while complementing the rest of your home.

Custom designed sunroom additions bring both added beauty and value to your home. Custom clad-wood or premium vinyl windows are great matches for sunrooms. Jeld-Wen windows and doors are a top choice for high quality and energy efficiency. Jeld-Wen windows and doors use high performance Low-E 366 and argon gas, which allow light to pass through, but reflect heat.





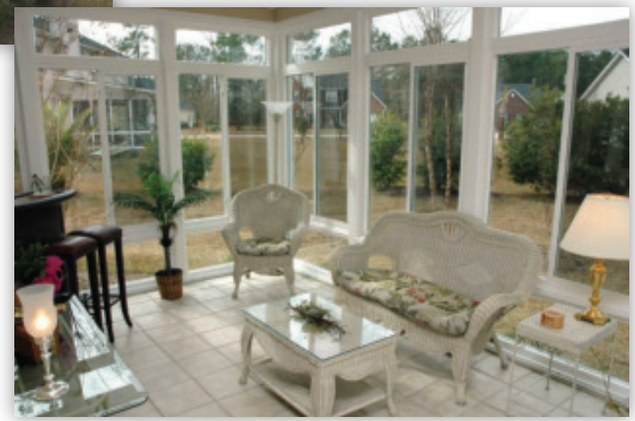
Increasing Square Footage

When a sunroom or porch enclosure is built to code with proper engineered drawings and is heated and cooled, it adds to the square footage of the home. Additions that are constructed of acrylic based products are considered screen rooms and not living space.

Determining Sunroom Size

The size of the room depends on what is going to fit the consumer's needs and what will work within their space and budget. When determining the size of the room, it is important to ask yourself the following questions:

- How do you plan to use the room?
- Will you use it primarily for reading and relaxation or do you plan to use the room for dining and entertaining?
- Will it be a multi-purpose room?



Heating and Cooling

Muhler offers 3 standard options for heating and cooling a sunroom. The first option is to have your HVAC ducts extended to the new room. To do so, you would need to contact your heating and cooling company to determine if your existing unit can handle the extra square footage. The second option, which is the most common, is to use an in wall PTAC unit which is self-contained. These units are similar to those used in hotel rooms, because they are quiet and very efficient. The third option is a mini split system which is typically used for rooms over 400 square feet. Muhler will offer a recommendation as to which system will work best for your room based on our experience.