



East Side Glass Company

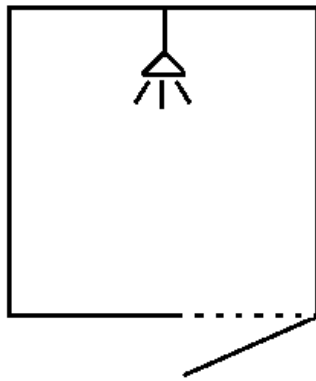
Heavy Glass Shower Enclosure Design Guidelines & Recommendations

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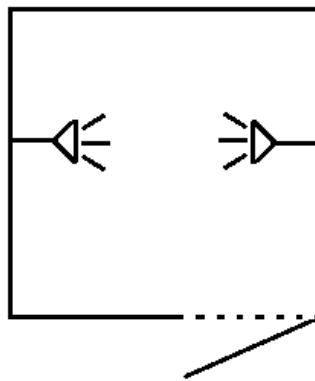
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Placement of Shower Heads & Jets

Shower heads and jets aimed at glass enclosure will create a leaking point. Aim shower heads and jets at tiled walls



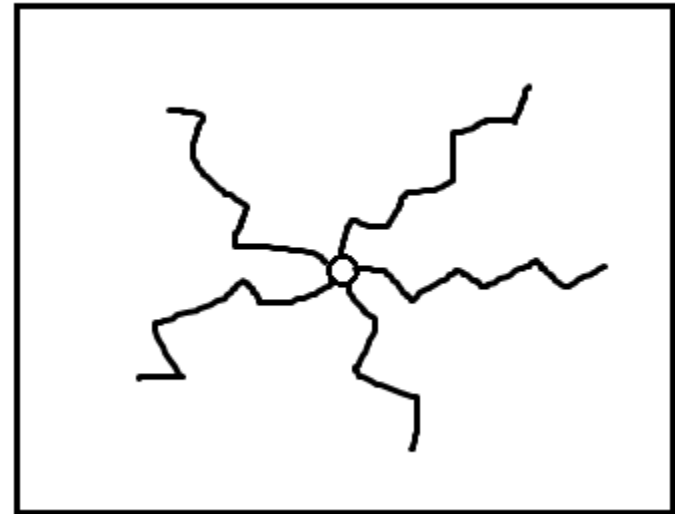
Incorrect



Correct

Use of Glass or Porcelain Tiles

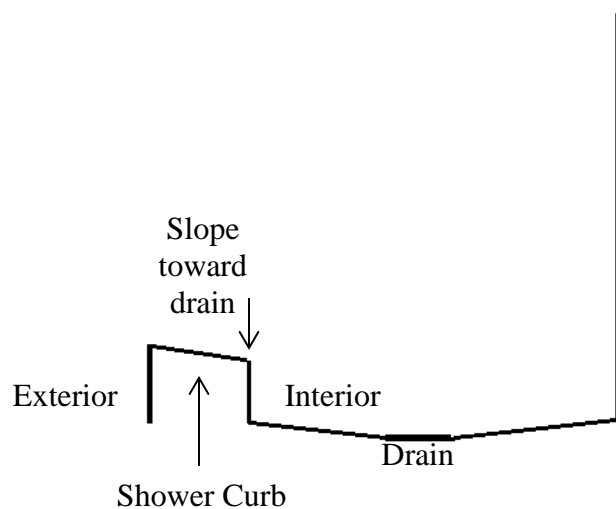
Glass or porcelain tiles are extremely brittle and prone to break or chip when drilled or when pressure is applied



Avoid using these types of tiles where drilling will be required for glass installation. Otherwise make sure a grout line is available for areas that require drilling.

Slope of curbs, floors, and benches

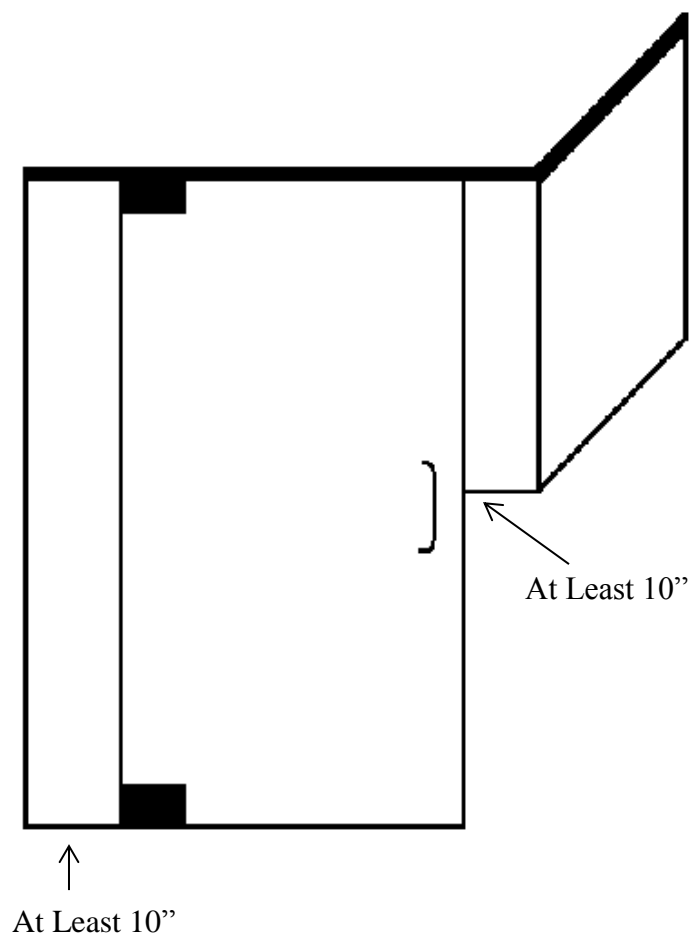
Leaks and standing water are caused by improperly sloped surfaces. All curbs, floors or benches should be sloped to the interior of the shower toward the drain.



East Side Glass has the right to refuse installation of shower enclosures with curbs, floors, or benches sloped in the wrong direction

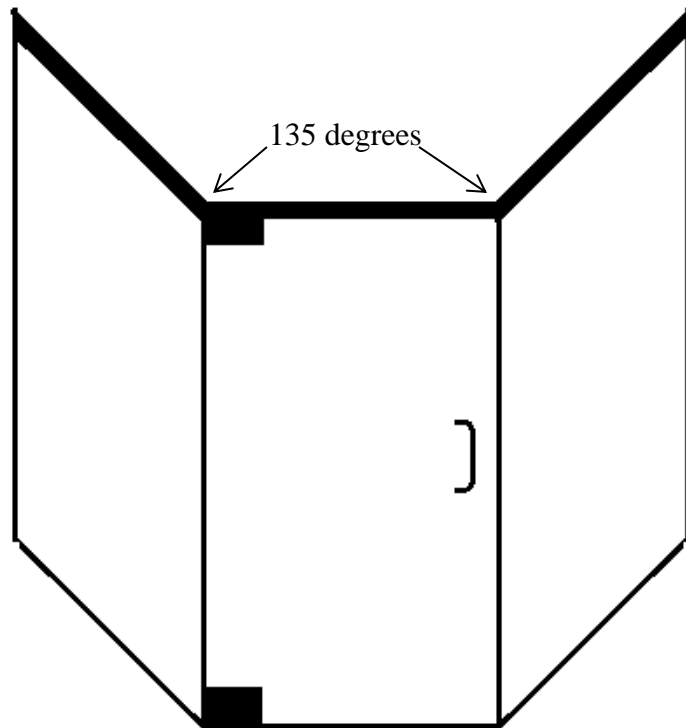
Enclosures Designed Using Narrow Panels

Individual panels should all be at least 10" wide.. Code requires all glass to be tempered. Narrow panels may warp during tempering. The taller the panel is the wider it should be.



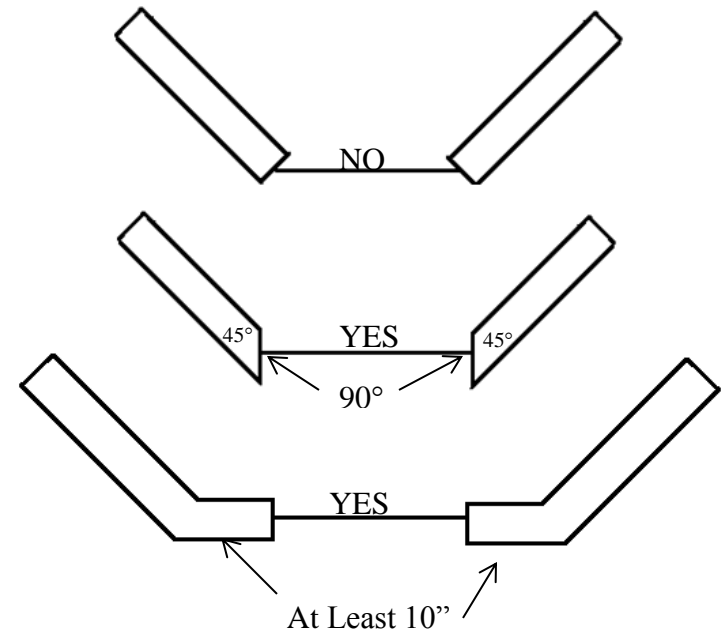
Neo-Angle Shower Enclosures

The standard angle for a neo-angle shower is 135 degrees. Any other angles add cost to the materials and make it difficult for the glass to follow the angle of your tile.



Knee wall Tile Layout

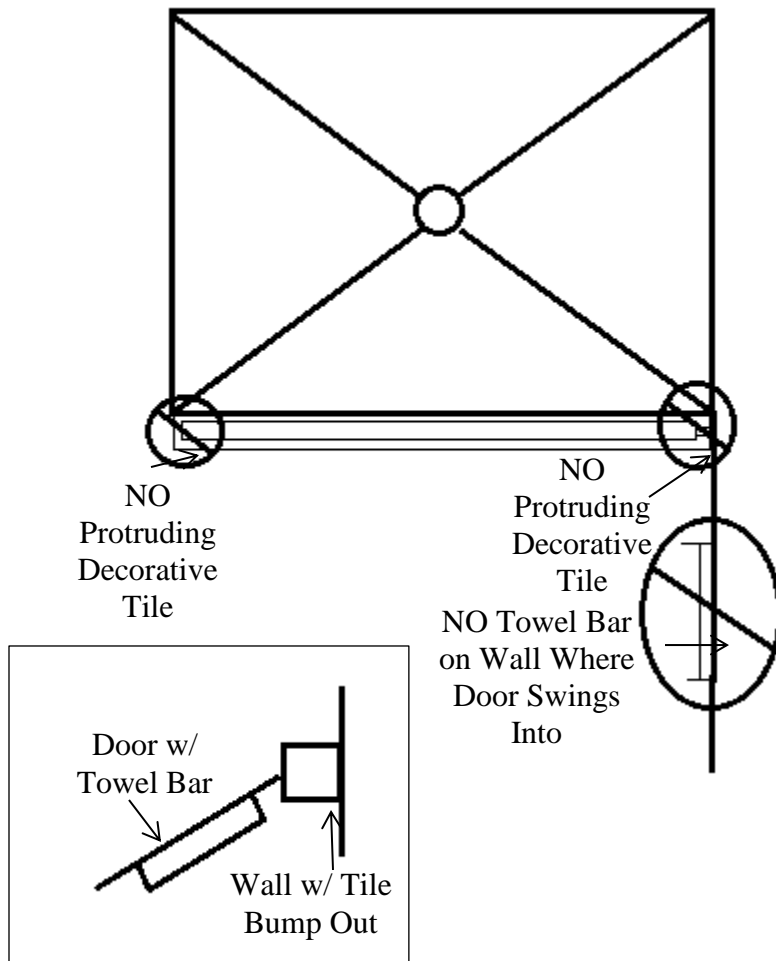
Knee walls that come together at other than a 90 degree will cause problems with door swing clearances. Heavy glass shower doors are meant to swing in and outward



Door Swing Clearances

Decorative tiles, towel bars, toilets, vanities, etc. in the door operating area creates obstructions and limits design options.

Create a bump out of tile where door is being hinged to prevent door hardware from hitting before getting to 90°



Door Widths & Heights

Common door widths are between 26" – 30"

Common door heights are between 72" – 84"

The narrower and shorter the door the harder it is to get in and out of the enclosure. Staying within the common widths and heights is recommended for use of standard hinges. Making a door too wide or too tall will greatly limit the types of hinges you can use.

3/8" glass doors mounted with top & bottom pivot hinges are limited to 31" in width

Please contact an East Side Glass representative if you have any questions on sizes of glass panels before you build your shower enclosure.

Common Issues That Arise With Heavy Glass Enclosures

- Gaps around glass may not be perfect and may vary slightly. Glass has a 1/16" – 1/8" cutting tolerance.
- There will be open gaps around the perimeter of door panel required for the door to function. These openings will allow water to pass to the exterior of the enclosure
- There will be open gaps at the side panel perimeters installed with clamps. These openings will allow water to pass through to the exterior of the enclosure
- Shower head location will have a direct effect on the amount of water that will pass through gaps that are inherent characteristics of heavy glass enclosures
- Door handles and towel bars may hit walls, side panels, faucets, and any obstructions in the swinging path of your door. East Side Glass recommends a tile bump out for doors installed at wall to eliminate some of the obstructions
- Shower surround walls need to be reinforced with 2x4's when glass is being mounted. This give us something to anchor into when securing the glass panels
- Curbs are to slope inward toward drain. East Side Glass assumes no responsibility for water passing to the exterior of the enclosure along the curb when using glass clamps and at the base of the door
- Extra expenses will be added for glass panels required to be fabricated out of square do to out of square & plumb openings
- Glass may not align with grout lines and perimeter gaps will be directly affected by the tile being installed out of level and plumb
 - Site visits to address issues above will result in additional charges of \$75.00 per hour + .55 cents per mile + additional materials
- Due to the characteristics of tempering & design glass can become warped. When designing keep each glass width to 10" or more. The amount of warping increases on narrow panels.
- East Side Glass is not responsible for any leakage after a period of 6 months due to house settlement/movement, expansion/contraction, insufficient waterproofing, cracked tile/faulty grout installation, etc