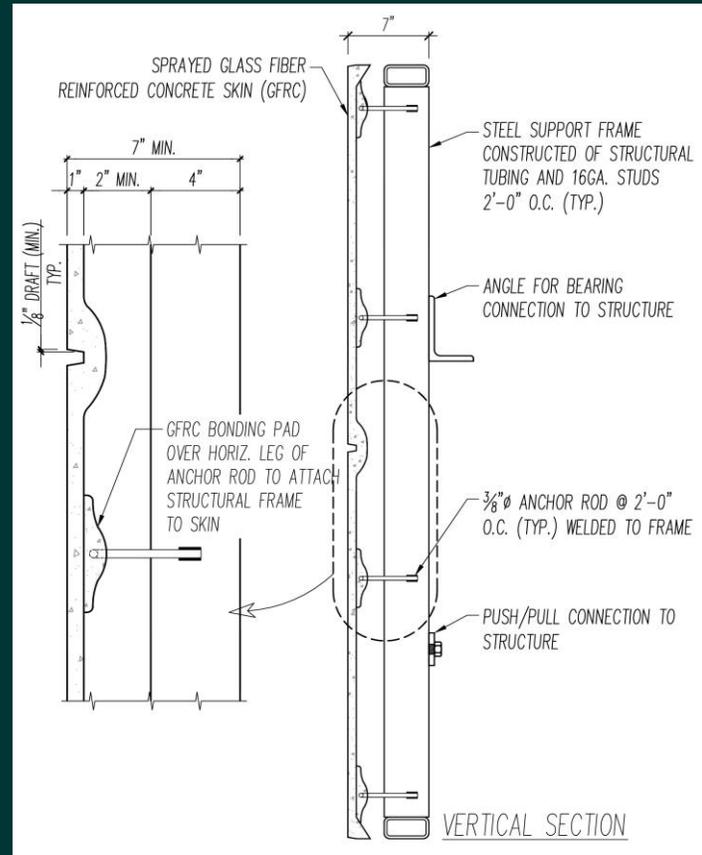


Providing Innovative Solutions to Creative Pre-cast Designs

Glass Fiber Re-inforced Concrete (GFRP)



Panel Description

GFRP provides designers with a lightweight and cost-effective skin choice with almost limitless design options. GFRP is a composite panel that consists of a 3/4" thick fiber reinforced cementitious skin attached to a steel frame. The overall minimum thickness is 7". This lightweight panel system that averages 20 pounds per square foot, is well known for its ability to be produced in very ornate shapes. It's light weight also means that structural steel costs for high rise buildings can be less expensive. The GFRP frame may also be used to place insulation and attach interior finishes, saving additional costs for interior stud framing. Since the skin is fabricated in a spray process, providing multiple colors in the same panel is an economical design option. Light and Heavy sandblast finishes can also provide a contrasting look within the same panel. Form liners may be used to make GFRP emulate other building materials like wood, limestone, brick, or almost any unique form shape the designer might create for a specific project. Adhering granite or Limestone veneers to the face of GFRP is a design option that takes full advantage of the speed with which this pre-fabricated panel system can be installed and the moisture barrier that GFRP provides. The structural frame typically consists of structural tube members. L or T Shaped galvanized pins are welded to the structural frame and the frame is set so that the horizontal legs of the pins just touch the back of the GFRP. The same GFRP material is placed over the horizontal legs of each pin to bond the frame and skin. Before finalizing the design of your next project, contact Willis Construction's Design Build team to take full advantage of the many design options and cost savings of GFRP.

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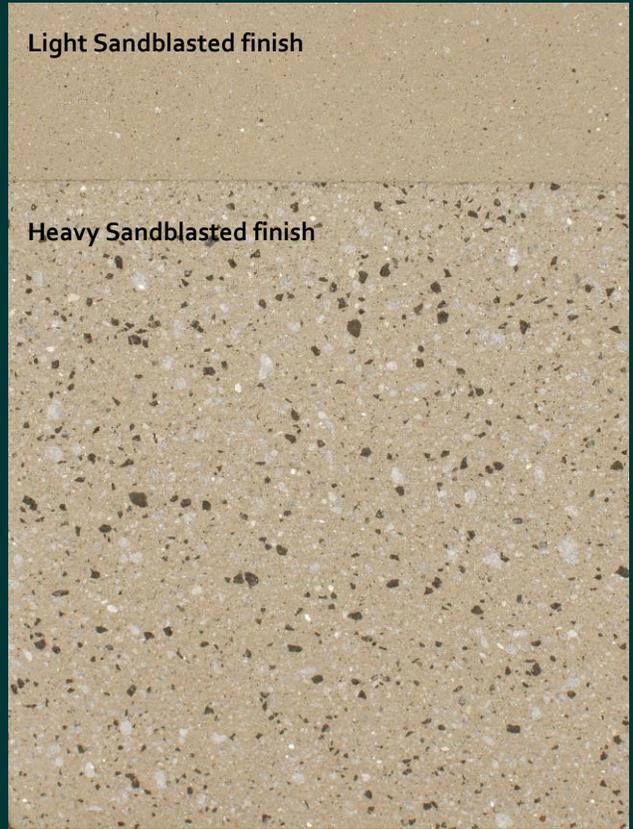
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Architectoral Design Options

Glass Fiber Reinforced Concrete panel mix designs come in a wide range of colors and textures. There are no standard colors. All of our mix designs are custom made to the designer's choice of color and sand blasted texture. Light sandblasted finishes leave the matrix color in place and the surface fairly smooth. A heavy sandblasted finish will expose the sand aggregates in the mix to create a completely different look. Utilizing Light and Heavy sandblasted finishes in the same panel, or project, is a common design option. Custom Form liners can make the surface of GFRC simulate other natural materials such as Brick, Wood, or Stone. Adhering Limestone, and Granite veneers to the face of GFRC is also an option.

Contact Willis Construction to discuss your projects specific design

Light Sandblasted finish



Heavy Sandblasted finish



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