

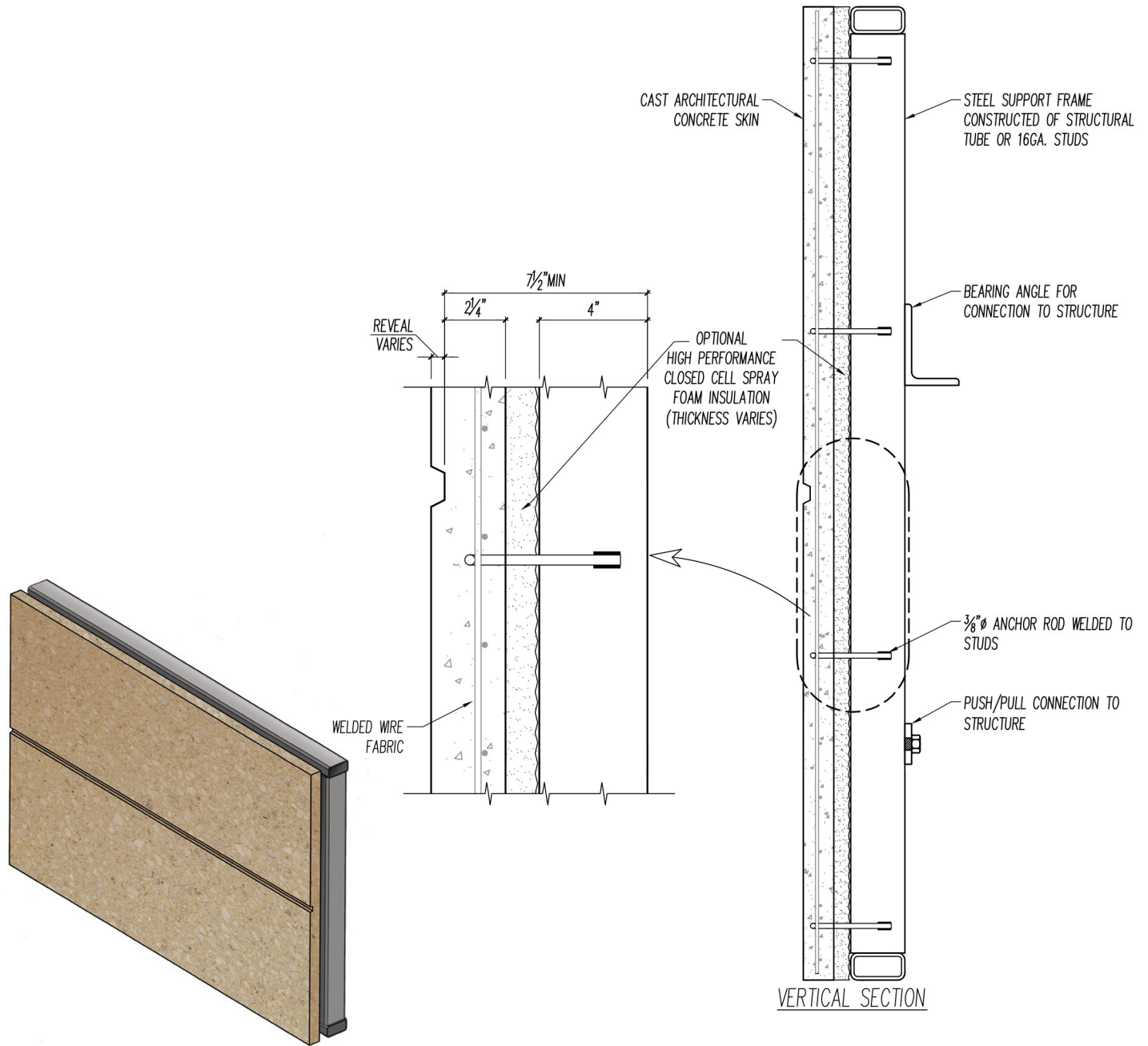


**WILLIS CONSTRUCTION CO. INC.**  
PRE-CAST CONCRETE PRODUCTS

# THINSHELL ARCHITECTURAL

PRODUCT DATA SHEET

# PRECAST



Architectural Thinshell Precast panels consist of a  $2\frac{1}{4}"$  thick solid concrete skin attached to a steel stud frame. The frame is typically made from  $4"$  deep tube steel members. The overall thickness of this system is typically  $7\frac{1}{2}"$ . Studs are typically placed at  $2'-0"$  on center and have  $\frac{3}{8}"$  diameter galvanized steel pins welded to the steel frame. These pins are embedded in the  $2\frac{1}{4}"$  concrete skin which is reinforced with a welded wire fabric. The entire concrete skin and frame system weighs approximately 32 pounds per square foot. The maximum size of a Thinshell panel is determined by material properties, project requirements and shipping limits. Thinshell Precast panels are limited to flat wall surfaces. In some cases small bullnose projections and minimal panel returns can be used but add more weight and cost to this system.