



**TYPICAL DETAIL INFORMATION AND CODE LIMITATIONS
SEVES PEGASUS Q19 Glass Block Products**

- A. Hollow glass blocks, DESIGN LINE – 80mm thickness and special shapes. All blocks are designed for a modular face dimension in metric sizes with 2mm visible joint thickness.
- B. Mortar shall conform to ASTM C270 Type 'S' for maximum bond strength.
- C. Horizontal mortar joints with panel anchors shall have wire reinforcing of 1 5/8" wide consisting of two 9 gauge parallel wires with cross ties 16" on center. All reinforcing to be #304 stainless steel. Horizontal reinforcing to have a maximum spacing of every other joint at 190mm (7-1/2") block and every joint at 300mm (11-3/4") block.
- D. Panel anchors to be 1-3/4" x 16" x 20 gauge stainless steel with elongated perforations. Locate panel anchors in same joint as horizontal reinforcing. Panel anchor to be installed in horizontal joint of masonry wall if possible and embedded 12". For alternate connection, return panel anchor up face of jamb and add two 1/4" anchors with washers just above bend of anchor. Anchors to be in horizontal alignment.
- E. Aluminum channels in lieu of panel anchors are an acceptable alternate.
- F. Head and jamb channel to be 1-1/2" x 3-3/4" x 14 gauge for DESIGN LINE. Channels used for exterior installations should be hot dipped zinc coating, stainless steel, or powder coated aluminum.
- G. All glass block panels to be non-load bearing and isolated from surrounding structures/walls with 3/8" thick glass fiber or white polyethylene foam expansion strips at jambs and head. Sill to be coated with asphalt emulsion to serve as a bond breaker.
- H. Structural members around glass block panels shall be limited to a deflection of L/600.
- I. Provide for vertical expansion joints where straight walls and curved walls (radius larger than 24") intersect or at a reversal of the curved wall on exterior applications
- J. All steel, within the wall system, should be #304 stainless steel to minimize rust and staining.
- K. Limitation of panel sizes:
 - 1. Exterior or interior wall panels using Pegasus (80mm thick) block, exposed to 20 lbs. square foot wind load or less to be limited to 85 square feet when supported on all four sides. Area may be increased to 150 square feet when an intermediate stiffener is incorporated as an additional supporting member near the middle of the panel. Maximum height is limited to 10 feet for exterior and 20 feet for interior installations. Maximum width is limited to 25 feet for exterior and interior.
 - 2. Check governing building code for additional details.
 - 3. Contact SEVES (1-877- SEVES11 (1-877-738-3711)) for design of glass block panels subjected to a Strength Level Wind Pressure greater than 32 lbs./sq ft. (ASCE 7) and for design of free standing exterior panels.