



SECTION 04270

Glass Unit Masonry Glass Block Grid System for Windows/Walls

PART 1. – GENERAL

- 1.1. Summary Furnish and install custom steel grid(s), glazing materials, glass block, sealant, flashing as required, and other items necessary for complete installation as indicated on the shop drawings specified herein.
- 1.2. Section Includes
 - A. Custom Steel Grid
 - B. Glass Block or Glass Brick Units
 - C. Sealants
- 1.3. Guarantee
 - A. Manufacturer shall guarantee for a period of one year from the date of purchase that the glass block and grid will be free of defects in materials and factory workmanship, and that the defective materials will be repaired or replaced immediately, after proper notification.
 - B. The installing contractor shall guarantee for a period of one year against faulty installation workmanship or water leakage due to on-site errors.
- 1.4. Submittals
 - A. Submit assembly instructions and installation drawings as required to indicate methods on construction, location and spacing of anchorage, joinery, finishes, sizes, shape, thickness and alloy materials, glazing materials, and relationship to the adjoining work.
 - B. Provide 2 samples of Glass Block or Glass Brick and 2 sections of custom steel grid.
- 1.5. Material Storage and Handling
 - A. Store material in dry place, off the ground, where temperature will not exceed 100 degrees Fahrenheit.
 - B. Handle material to prevent damage to finished surfaces. Do not install scratched or damaged components.

PART 2. PRODUCTS

- 2.1. GBA Custom Glass Block Grid System for windows and walls as manufactured by GBA Architectural Products + Services, 1213 Medina Rd., Medina, OH 44256; (877) 280-7700 or sales@gbaproducts.com.
- 2.2. Glass Block or Glass Brick distributed by GBA Architectural Products + Services shall be.....

2.3. Sealant: Glass Block sealant as required and provided by GBA Architectural Products + Services

2.4. 2.04 Finish: Selected from manufacturer's standard finishes and colors.

PART 3. EXECUTION

3.1. Field Conditions

- A. Verify all applicable field dimensions and adjust as necessary to accommodate grid.
- B. Examine supporting frame to which grid will be attached. Correct any conditions which are not constructed according to installation instructions furnished by grid manufacturer.

3.2. Installation

- A. Fasten and secure glass block grid system using all predrilled holes in grid per manufacturer's shop drawings and according to instructions furnished by manufacturer. Be sure the grid is plumb and level.
- B. Insert glass block or glass brick into grid according to instructions furnished by glass block grid manufacturer. Carefully insert glass blocks into grid system from exterior side of window so that each glass block or glass brick is flush on the exterior. The steel interior grid should be completely hidden.
- C. Apply sealant to completely fill void around each glass block and wipe flush with surface. Apply sealant to exterior frame corners according to instructions furnished by grid system manufacturer.

3.3. Clean-up

- A. Clean all exposed surfaces of glass block grid system with clean, soft cloth and mild hand soap using gentle rubbing action. Do not use abrasive or solvent-type cleaners, detergents, or paint removers.
- B. Remove all labels from glass block and clean with soft cloth and water.

END OF SECTION