



**SECTION**  
**GLASSWALK™ ST**  
**STRUCTURAL GLASS**  
**STAIR TREADS FLOOR PANELS**

**PART 1. GENERAL**

1.1. SECTION INCLUDES

- A. Structural glass stair tread system, consisting of structural extruded aluminum support brackets and laminated structural glass units, and all other items necessary for a complete assembly.

1.2. RELATED SECTIONS

- A. Section 03 30 00 - Cast-in-Place Concrete.
- B. Section 05 10 00 - Structural Metal Framing.
- C. Section 05 51 00 - Metal Stairs.
- D. Section 06 11 16 - Mechanically Graded Lumber.
- E. Section 07 90 00 - Joint Protection.

1.3. REFERENCES

- A. ASTM B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes.

1.4. SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.

3. Installation methods.
  - C. Shop Drawings: Show plan, sections, details, location and spacing of anchors, and relationship to adjoining work.
  - D. Selection Samples: For each finished product specified, two complete sets of color chips representing the manufacturer's full range of available colors and patterns.
  - E. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.

#### 1.5. DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store materials in a dry place, off the ground, where temperature will not exceed 90 degrees F (32 degrees C).
- C. Handle material in a manner that will prevent damage to finished surfaces. Do not install scratched or damaged components.

#### 1.6. PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by the manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

#### 1.7. WARRANTY

- A. Provide manufacturer's standard 5-year warranty.
- B. Provide 5-year installer's warranty against faulty workmanship.

## **PART 2. PRODUCTS**

### 2.1. MANUFACTURERS

- A. Acceptable Manufacturer: GBA Architectural Products + Services, **877-280-7700**, **sales@gbaproducts.com** / [www.gbaproducts.com](http://www.gbaproducts.com)
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

## 2.2. MATERIALS - STRUCTURAL GLASS STAIR TREAD SYSTEM

- A. Glass Tread Support Brackets: Field assembled, extruded aluminum structural support brackets, sized to fit each end of the glass tread unit.
- B. Laminated Glass Tread Units: Laminated glass 3-ply units, nominally 1.25 inches thick. Size, color, and pattern to be determined
- C. Nominal size as indicated on the Drawings.

## **PART 3. EXECUTION**

### 3.1. EXAMINATION

- A. Do not begin installation until the supporting structure has been properly prepared.
- B. If structure is the responsibility of another installer, notify the Architect of unsatisfactory preparation before proceeding.

### 3.2. PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result under the project conditions.

### 3.3. INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Assemble stair tread system according to instructions furnished by manufacturer for supporting structural support brackets.
- C. Insert structural glass units on silicone cushions and set-in grid members.
- D. Install sealant in accordance with the sealant manufacturers printed instructions.
- E. Apply sealant between frame and adjoining construction.
  - 1.

### 3.4. CLEANING

- A. Clean exposed surfaces of aluminum grid 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 labels from glass pavers and clean with soft cloth and water.

### 3.5. PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

**END OF SECTION**