SECTION 08 81 13
DECORATIVE GLASS GLAZING

Part 1 GENERAL

1.1 Summary

A. Section Includes: Laminated glass with graphic interlayer.

B. Related Sections:

1. Section 09770 – Special Wall Surfaces
2. Section 07 90 00 – Joint Protection
3. Section 08 11 00 – Metal Doors and Frames
4. Section 08 30 00 – Specialty Doors and Frames
5. Section 08 41 00 – Entrances and Storefronts
6. Section 08 81 00 – Glass Glazing
7. Section 08 44 00 – Curtain Wall and Glazed Assemblies

1.2 References

A. ASTM International

1. ASTM C 1036 Specification for Flat Glass
2. ASTM C 1048 Specification for Heat-Treated Flat Glass-Kind HS, Kind FT Coated and Uncoated Glass
3. ASTM C 1172 Specification for Laminated Architectural Flat Glass
4. ASTM E-774-Specification for Sealed Insulating Glass Units where insulating glass is specified

B. ANSI - American National Standards Institute

1. ANSI Z-97.1 Safety Performance Specifications and Methods of Test Used in Buildings
2. CPSC 16 CFR 1201 Safety Standard for Architectural Glazing Materials, Category I and II

1.3 Submittals

A. Provide submittals in accordance with Section 01305 – Submittal Procedures.

B. Submit manufacturer's shop drawings, installation drawings, installation instructions and maintenance instructions.

C. Submit environmental impact data for all materials.

D. Submit samples no less than 6" x 6" for all specified glass configurations..

E. Manufacturer information:

1. Provide overview literature describing manufacturer's overall scope of products and manufacturing capabilities.

2. Provide URL for manufacturer's web site; web site must provide access to technical data, images and general product information.

1.4 Quality Assurance

A. Manufacturer Qualifications

1. Minimum 10 years experience in the manufacture of laminated glass.

2. Minimum 10 years experience in the fabrication of laminated glass.

3. Provide test reports indicating products meet or exceed specified requirements.

B. Installer Qualifications

1. Minimum three years experience in the installation of glass.

1.5 Delivery, Storage and Handling

A. Deliver materials to installation site in manufacturer's original packaging. Handle products in accordance with manufacturer's instructions. Store in dry, secure location, protected against direct sunlight and excessive heat. Protect finished surfaces with strippable film.

1.6 Warranty

A. Provide manufacturer's standard warranty.

1. Warranty terms: one year against defects in materials and workmanship.

Part 2 PRODUCT

2.1 Manufacturer

A. Forms+Surfaces
30 Pine Street
Pittsburgh, PA 15223
phone: 800-451-0410

fax: 412-781-7840
email: sales@forms-surfaces.com

website: www.forms-surfaces.com

2.2 ViviGraphix Graphica Laminated Glass

A. Material

1. Configuration: View, Reflect (choose one)

2. Pattern: Cairo, Centene, Current, Dot Medium, Drift, Frost, Glacier, Seagrass, Silkworm, Vertical

116, Custom (choose one)

3. Color: White, Taupe, Slate Blue, Custom (choose one)

4. Finish: Pearlex+, Standard (choose one)

5. Translucency: LumiLevel #1, LumiLevel #2, LumiLevel #3, LumiLevel #4, LumiLevel #5, LumiLevel #6, none (choose one)

6. Processing: polished edges, holes, cutouts, pattern cuts, none

7. Overall Nominal Thickness: 8.0 mm, 14.0 mm, indicated thickness (choose one)

8. Fire rating: ViviGraphix Graphica glass is Class A fire rated in accordance with ASTM designation E84-09, standard test method of surface burning characteristics of building materials. The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

Associated Components

A. Top Lite

1. Type: Annealed, Heat-Strengthened, Tempered (choose one)

2. Thickness: 3.0 mm, 6.0 mm, indicated thickness (choose one)

3. Class: Clear, Low Iron (choose one)

B. Bottom Lite

1. Type: Annealed, Heat-Strengthened, Tempered (choose one)

2. Thickness: 3.0 mm, 6.0 mm, indicated thickness (choose one)

3. Class: Clear, Low Iron (choose one)

C. Interlayer

1. Design: Manufactured by VividGlass, a Forms+Surfaces company.

2. Thickness: 2 mm.

2.3 Hardware

A. Slot Mount Standoff

1. Finish: Polished Brass, Polished Gun Metal, Polished Chrome, Satin Stainless Steel, Satin Chrome

(choose one)

B. Edge Grip Standoff

1. Finish: Polished Brass, Polished Gun Metal, Polished Chrome, Satin Stainless Steel, Satin Chrome

(choose one)

C. Round Standoff

1. Finish: Polished Brass, Polished Gun Metal, Polished Chrome, Satin Stainless Steel, Satin Chrome

(choose one)

2. Base Length: 1/4" (6.3mm), 3/8" (9.5mm), 1/2" (12.7mm), 1" (25.4mm), 1-1/2" (38.1mm), 2" (50.8mm), 4" (101.6mm), 6" (152.4mm) (choose all that apply)

D. Spider Fitting

1. Finish: Polished Stainless Steel, Satin Stainless Steel (choose one)

2. Configuration: 1-arm, 2-arm, 3-arm, 4-arm (choose all that apply)

E. Square Mall Clamp

1. Finish: Polished Brass, Polished Stainless Steel, Satin Stainless Steel (choose one)

F. Tapered Rail:

1. Finish: Polished Brass, Polished Stainless Steel, Satin Stainless Steel, Satin Anodized, Black Bronze Anodized, Black Powdercoat (choose one)

Part 3 EXECUTION

3.1 Preparation

A. Protect glass and equipment from damage caused by work of this Section.

3.2 Installation

A. Install ViviGraphix Graphica in accordance with manufacturer's instructions at locations indicated on the drawings.

3.4 Cleaning and Protection

A. Protect laminated glazing in accordance with GANA Glazing Manual.

B. Clean laminated glazing materials in accordance with GANA Bulletin 01-0300.

END OF SECTION