



PRODUCT SPECIFICATIONS

OUR SHOWROOM IS LOCATED IN THE HEART OF SOHO

180 Varick Street
Suite 1218
New York, NY 10014

PART 1 GENERAL

1.1 SECTION INCLUDES

- Carvart™ Custom color, pattern, fabric and metallic laminated glass and glazing for sections referencing this section.
- Laminated glass and glazing for [hollow metal work,] [handrail balusters,] [windows,] [glazed walls,] [doors,] [cabinet shelves,] [cabinet doors,] [and]
- Flat glass [and curved glass].

1.2 RELATED SECTIONS

- Section 06200 Finish Carpentry: Framed openings with requirement for laminated glass.
- 2 Section 06410 Custom Casework: Cabinets with requirement for laminated glass shelves [and]

1.3 REFERENCES

- ANSI Z97.1 Standard for Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test.
- ASTM C1036 Specification for Flat Glass.
- ASTM C1048 Specification for Heat-Treated Flat Glass Kind HS, Kind FT Coated and Uncoated Glass.
- ASTM C1172 Specification for Laminated Architectural Flat Glass.
- ASTM E90 Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions.
- ASTM E1300 - Practice for Determining Minimum Load Resistance of Glass in Buildings.
- CPSC (Consumer Products Safety Commission) 16CFR 1201.
- GANA (Glass Association of North America) Glazing Manual.
- GANA (Glass Association of North America) Laminated Glass Design Guide.

1.4 PERFORMANCE REQUIREMENTS

- Loads: Size glass thickness to withstand dead loads and positive and negative live loads acting normal to plane of glass [as calculated in accordance with [_____] code.] [to a design pressure of [_____] lb/sq ft ([_____] kPa).] [as measured to ASTM E330 - static.] [as measured to ASTM E1233 - cyclic.] [as measured to ASTM E283.]
- Deflection: Size glass thickness and limit glass deflection to [1/200] [_____] or flexure limit of glass, with full recovery of glazing materials, whichever is less.

1.5 SUBMITTALS FOR REVIEW

- Section 01300: Submission procedures.
- Product Data on Carvart™ Custom Laminated Glass Types: Provide structural, physical and environmental characteristics, size limitations, color of interlayer, special handling or installation requirements.

- Template of glass logo that includes Carvart™ name and safety glazing standard
- Verification of authentic Carvart™ Glass manufacturing and fabrication.

Samples: Submit [one (1)] [_____] samples, [__ x __] inches ([__ x __] mm) in size, exemplifying laminated glass [units,] color, pattern or metallic design using actual glass to be used in the project

1.6 SUBMITTALS FOR INFORMATION

- Section 01300: Submission procedures.
- Certificates: Certify that [Products] [_____] meet or exceed specified requirements.
- Manufacturer's Certificate: Certify that Carvart™ Custom color, pattern, fabric or metallic laminated glass, meets or exceeds specified requirements.

1.7 QUALITY ASSURANCE

- Perform Work in accordance with [GANA Glazing Manual,] [GANA Sealant Manual,] [and] [GANA - Laminators Glass Design Guide] for glazing installation methods. [Maintain [one (1)] [_____] copy on site.]
- Installer Qualifications: Company specializing in performing the work of this section [with minimum [_____] years [documented] experience,] [approved by Carvart™].

1.8 SAMPLE

- Section 01400: Requirements for sample.
- Provide sample manufactured by Carvart™ including tempered, back painted or laminated glass.
- Locate where directed.
- Sample may [not] remain as part of the permanent Work.

PART 2 PRODUCTS

2.1 FLAT GLASS MATERIALS

- Interlayer Manufacturers:
 - Carvart™ Glass (1-718 855 4459)
 - Substitutions: Not permitted
- Carvart™ Fabricated
 - Contact information: 1-718 855 4459 or go to www.Carvart.com.
- Glass Pane Components:
 - Pane Thickness: [_____].
 - Type AN - Clear, annealed; to ASTM C1036.
 - Type HS - Clear, heat strengthened; ASTM C1048.
 - Type FT - Clear, full tempered, horizontal temper direction, ASTM C1048.
 - Glass Pane Thickness: [_____] inches to resist lateral load according to ASTM E1300.
- Interlayer:
 - Carvart™, color reference number [_____], thickness of 0.015", 0.030", 0.045", 0.060" and 0.090" ([0.38mm] [0.76mm] [1.14mm] [1.52mm] []mm).
 - Carvart™, reference number pattern [_____], fabric [_____] or metallic [_____], thickness of 0.032", [_____] ([0.81mm] []mm).
 - Carvart™, custom number [_____],
 - [_____], thickness of 0.032", [_____] ([0.81mm] []mm). We need to separate colors from patterns and metallic because of the thickness differences.
- Laminated Glass - color, (pattern, fabric or metallic) [Safety] Type:
 - [Double] [Triple] layers of glass panes with interlayer between each pane.
 - Laminated with Carvart™ custom color, (pattern, fabric or metallic) interlayer to ASTM C1172
 - Transparency: [CLEAR.] [Translucent Level] [1], [2], [3], [4]
 - Conforming to Safety Regulations: [ANSI Z97.1] [CPSC 16CFR 1201 Cat. I.] [CPSC 16CFR 1201 Cat.II.]

2.2 CURVED GLASS MATERIALS

- Curved Glass:
 - [Clear] [_____] color tinted [PVB][Resin] interlayer].
 - Thickness: [_____] inch ([_____] mm) thick minimum.
 - Curved to [_____] configuration with [_____] inches ([_____] mm) radius.
 - Conforming to Safety Regulations: [ANSI Z97.1] [CPSC 16CFR 1201 Cat. I.] [CPSC 16CFR 1201 Cat.II.]
 - Sound Transmission Rating: [OITC.] [STC.] , [NUMBER] [_____] to [ASTM E90.] [ASTM E413.] [ASTM E1332.]

2.3 INSTALLATION INTERIOR DRY METHOD

- Cut glazing tape to length and set against permanent stops, projecting 1/16 inch (1.6 mm) above sight line.
- Place setting blocks at [1/4] [1/3] points with edge block no more than [6] [] inches ([150] [] mm) from corners.
- Rest glazing on setting blocks and push against tape for full contact at perimeter of pane or unit.
- Place glazing tape on free perimeter of glazing in same manner described above.
- Install removable stop without displacement of tape. Exert pressure on tape for full continuous contact.
- Knife trim protruding tape.

2.4 CLEANING

- Section 01700: Cleaning installed work.
- Remove glazing materials from finish surfaces.
- Remove labels after Work is complete.
- Clean glass and adjacent surfaces.

2.5 PROTECTION OF FINISHED WORK

- Section 01700: Protecting installed work.
- After installation, mark pane with an 'X'.
- [Do not mark heat absorbing or reflective glass units.]

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