SECTION 08 81 13

DECORATIVE GLASS GLAZING

Display hidden notes to specifier. (Don't know how? [Click Here](https://www.arcat.com/sd/display_hidden_notes.shtml))

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\*\* NOTE TO SPECIFIER \*\* GlassArt Design; glass, architectural glass, glass company, one-of-a-kind art, colorful glass border treatments, remarkable patterned glass, shower enclosures, elegant glass countertops, tabletops, backsplashes, leaded and stained glass, recycled glass, standard and antique mirrors, and glass railing  
This section is based on the products of GlassArt Design, which is located at:427 N. 10th Ave.Minneapolis, MN 55401Tel: 612-870 0247Fax: 612-870 0186Email: [request info (sales@glassartdesign.com)](https://arcat.com/rfi?action=email&company=GlassArt%252BDesign&message=RE%253A%2520Spec%2520Question%2520(08813gad)%253A%2520&coid=50844&spec=08813gad&rep=&fax=612-870%25200186)  
Web: <http://glassartdesign.com>   
 [ [Click Here](https://arcat.com/company/glassart-design-50844) ] for additional information.  
GlassArt Designis a glass company that stands apart. For more than years, GlassArt Design has held a unique position in the world ofarchitectural glass. Our approach is literally hands-on and collaborative. Our attentive team escorts each and every project through our process, checking along the way to ensure the absolute highest standards of quality. We apply a variety of techniques, including painting, staining, etching, carving, and kiln firing. The result is a long list of functional works of art that will endure.  
Our glass artisans and our in-house installation team are equipped for virtually any project typefrom individual pieces to complicated, large-scale applications. Whether working with a homeowner, designer, architect, general contractor, commercial company or a major developer, we apply the same standards of quality, timeliness, and professionalism.  
A Minnesota glass company whose work ranges from one-of-a-kind art pieces, colorful glass border treatments, remarkable patterned glass, shower enclosures, elegant glass countertops, back painted glass backsplashes, clear / standard glass and mirrors, and glass railings.  
We invite you to visit our showroom in the North Loop in downtown Minneapolis to view the largest selection of art glass in the Midwest. Bring your vision to life with a collaborative approach to glass and art.

1. GENERAL
   1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Decorative Glass Types Including:
       1. Etched glass.
       2. Carved glass.
       3. Patterned glass.
       4. Fire molded kiln fired glass.
       5. Elements recycled glass.
       6. EcoLuxe recycled glass.
       7. Fire polished glass.
       8. Fused glass.
       9. Color coat back painted glass.
       10. Classic mirror glass.
       11. Antique mirror glass.
       12. Stained / leaded glass.
       13. Laminated glass.
  1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section - .
    2. Section 08 11 13.13 - Standard Hollow Metal Doors and Frames.
    3. Section 08 41 13 - Aluminum-Framed Entrances and Storefronts.
    4. Section 08 44 16 - Glazed Bronze Curtain Walls.
    5. Section 08 50 00 - Windows.
    6. Section 08 83 00 - Mirrors.
    7. Section 10 11 39 - Visual Display Rails.
    8. Section 12 10 00 - Art.
    9. Section - .
  1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section ; add others as required.

* + 1. U.S. Consumer Product Safety Commission (CPSC):
       1. CPSC 16 CFR 1201 Safety Standard for Architectural Glazing Materials.
  1. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     2. Product Data:
        1. Manufacturer's data sheets on each product to be used and installation instructions.

\*\* NOTE TO SPECIFIER \*\* Delete if not applicable to product type.

* + - 1. Preparation instructions and recommendations.
      2. Storage and handling requirements and recommendations.
      3. Typical installation methods.
    1. Verification Samples: Two representative units of each type, pattern and color.

\*\* NOTE TO SPECIFIER \*\* Delete glass option not required.

* + - 1. Glass: Two 12 x 12 inch (305 by 305 mm) glass samples.
      2. Glass: Two \_\_\_\_\_ x \_\_\_\_\_ inch (\_\_\_\_\_ x \_\_\_\_\_ mm) glass samples.
    1. Shop Drawings: Include details of materials, construction and finish. Include relationship with adjacent construction.
  1. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum five years documented experience.
     2. Installer Qualifications: Company specializing in performing Work of this section with minimum two years documented experience with projects of similar scope and complexity.
     3. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.

\*\* NOTE TO SPECIFIER \*\* Include mock-up if the project size or quality warrant the expense. The following is one example of how a mock-up on might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

* + 1. Mock-Up: Construct a mock-up with actual materials in sufficient time for Architect's review and to not delay construction progress. Locate mock-up as acceptable to Architect and provide temporary foundations and support.
       1. Intent of mock-up is to demonstrate quality of workmanship and visual appearance.
       2. If mock-up is not acceptable, rebuild mock-up until satisfactory results are achieved.
       3. Retain mock-up during construction as a standard for comparison with completed work.
       4. Do not alter or remove mock-up until work is completed or removal is authorized.
  1. PRE-INSTALLATION CONFERENCE
     1. Convene a conference approximately two weeks before scheduled commencement of the Work. Attendees shall include Architect, Contractor and trades involved. Agenda shall include schedule, responsibilities, critical path items and approvals.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: GlassArt Design, which is located at:427 N. 10th Ave.Minneapolis, MN 55401Tel: 612-870 0247Fax: 612-870 0186Email: [request info (sales@glassartdesign.com)](https://arcat.com/rfi?action=email&company=GlassArt%252BDesign&message=RE%253A%2520Spec%2520Question%2520(08813gad)%253A%2520&coid=50844&spec=08813gad&rep=&fax=612-870%25200186);Web: <http://glassartdesign.com>

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
    2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.
  1. PERFORMANCE REQUIREMENTS

\*\* NOTE TO SPECIFIER \*\* Include the following for glass in locations subject to human impact; refer to Building Code for specific requirements.

* + 1. Provide safety glass tested and labeled to CPSC 16 CFR 1201 for locations subject to human impact as required by:
       1. Applicable Building Code.
       2. Authorities having jurisdiction.
  1. DECORATIVE GLASS GLAZING

\*\* NOTE TO SPECIFIER \*\* Etched glass applies a light, frosted texture to glass via sandblasting. Etching can be done evenly over an entire piece, or areas of the glass may be masked prior to sandblasting to create patterns, depth, gradient etching and texture. Delete if not required.

* + 1. Basis of Design: Etched Glassas manufactured and supplied by GlassArt Design.

\*\* NOTE TO SPECIFIER \*\* Delete glass type options not required.

* + - 1. Glass Type: Clear float.
      2. Glass Type: Clear float matte/satin.
      3. Glass Type: Clear low iron
      4. Glass Type: Clear low-iron matte/satin.
      5. Glass Type: Tinted.
      6. Glass Type: Clear mirror.
      7. Glass Type: Antique Mirror.

\*\* NOTE TO SPECIFIER \*\* Standard glass thickness is /8 to 3/4 inch (3 to 19 mm). 1 inch (25 mm) is available. Glass sheet size can be up to 69 x 100 inches (1753 x 2540 mm). 2 sq ft (0.19 sq mm) minimum.

* + - 1. Glass Thickness (in/mm): \_\_\_\_\_\_\_\_.
      2. Glass Sheet Size (in/mm): \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete pattern options not required. Custom patterns are available. Contact manufacturer for more detail.

* + - 1. Pattern, One Surface: Morrocan.
      2. Pattern, One Surface: Mosaic.
      3. Pattern, One Surface: Damask.
      4. Pattern, One Surface: Venetian.
      5. Pattern, One Surface: Eden.
      6. Pattern, One Surface: Casa.
      7. Pattern, One Surface: Geo-fade.
      8. Pattern, Two Surface: Ribbons.
      9. Pattern, Two Surface: Aspen.
      10. Pattern, Two Surface: Burlap.
      11. Pattern, Two Surface: Mid-modern.
      12. Pattern, Two Surface: Pebble.
      13. Pattern, Two Surface: Trigometric.
      14. Pattern, Two Surface: Herringbone.
      15. Pattern, Two Surface: Strand.
      16. Pattern: As indicated on Drawings.
      17. Pattern: As provided by Architect.
      18. Pattern: As determined by the Architect from Manufacturer's selection.
      19. Pattern: \_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete glass edge options not required.

* + - 1. Glass Edges: Pencil polished.
      2. Glass Edges: Pencil ground.
      3. Glass Edges: Flat polished.
      4. Glass Edges: Flat ground.
      5. Glass Edges: Plateau.
      6. Glass Edges: Nibbled.
      7. Glass Edges: Broken.
      8. Glass Edges: Seamed
      9. Glass Edges: As determined by the Architect from Manufacturer's selection.

\*\* NOTE TO SPECIFIER \*\* Delete custom options not required or delete all.

* + - 1. Custom Options:
         1. Safety Glazing: Laminated.
         2. Safety Glazing: Tempered.
         3. Custom Bent: As detailed on the drawings.
         4. Notches: As detailed on the drawings.
         5. Shapes: As detailed on the drawings.
         6. Holes: As detailed on the drawings.
         7. Outlets: As detailed on the drawings.
         8. Applied Opaque Color Coating: \_\_\_\_\_\_\_\_.
         9. Applied Translucent Color Coating: \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Marine-grade clear coating makes glass maintenance friendly.

* + - * 1. Marine-grade clear coating.

\*\* NOTE TO SPECIFIER \*\* Like etching, carved textured glass is achieved by sandblasting. But while some etching results in soft, even surface, carved textures feature more depth and dimensionality. Delete if not required.

* + 1. Basis of Design: Carved Glass as manufactured by GlassArt Design.

\*\* NOTE TO SPECIFIER \*\* Delete glass type options not required.

* + - 1. Glass Type: Clear float.
      2. Glass Type: Clear float matte/satin.
      3. Glass Type: Clear low-iron.
      4. Glass Type: Clear low iron matte/satin.
      5. Glass Type: Tinted.

\*\* NOTE TO SPECIFIER \*\* Glass thickness varies by pattern from 1/4 inch (6 mm) to 1 inch (25 mm). See manufacturer's website for more detailed information. Glass sheet sizes are up to 69 x 100 inches (1753 x 2540 mm). 2 sq ft (0.19 sq mm) minimum.

* + - 1. Glass Thickness (in/mm): \_\_\_\_\_\_\_\_.
      2. Glass Sheet Size (in/mm): \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete pattern options not required. Custom patterns are available. Contact manufacturer for more detail.

* + - 1. Pattern: Deep-Carved Dunes.
      2. Pattern: Deep-Carved Dunes 2.
      3. Pattern: Stage-Carved Dunes.
      4. Pattern: Granite.
      5. Pattern: Stucco.
      6. Pattern: Stucco 2.
      7. Pattern: Fresco.
      8. Pattern: Lunar.
      9. Pattern: Single Glue Chip.
      10. Pattern: Soft Chip.
      11. Pattern: Japanese Wave 3.
      12. Pattern: As indicated on Drawings.
      13. Pattern: As provided by the Architect.
      14. Pattern: As determined by the Architect from Manufacturer's selection
      15. Pattern: \_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete glass edge options not required.

* + - 1. Glass Edges: Seamed.
      2. Glass Edges: Pencil polished.
      3. Glass Edges: Pencil ground.
      4. Glass Edges: Flat polished.
      5. Glass Edges: Flat ground.
      6. Glass Edges: Plateau.
      7. Glass Edges: Nibbled.
      8. Glass Edges: Broken.

\*\* NOTE TO SPECIFIER \*\* Delete custom options not required or delete all.

* + - 1. Custom Options:
         1. Safety Glazing: Laminated.
         2. Safety Glazing: Tempered.
         3. Custom Bent: As detailed on the drawings.
         4. Notches: As detailed on the drawings.
         5. Shapes: As detailed on the drawings.
         6. Holes: As detailed on the drawings.
         7. Outlets: As detailed on the drawings.
         8. Applied Opaque Color Coating: \_\_\_\_\_\_\_\_.
         9. Applied Translucent Color Coating: \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Marine-grade clear coating makes glass maintenance friendly.

* + - * 1. Apply marine-grade clear coating.

\*\* NOTE TO SPECIFIER \*\* GlassArt Design provides dozens of unique patterns for applications such as shower stalls or office dividers. Patterned glass is in-stock and manufactured in factories to conform to a consistent texture or pattern. Delete if not required.

* + 1. Basis of Design: Patterned Glass as provided by GlassArt Design.

\*\* NOTE TO SPECIFIER \*\* Delete glass thickness options not required.

* + - 1. Glass Thickness: 1/8 inch (3 mm).
      2. Glass Thickness: 5/32 inch (4 mm).
      3. Glass Thickness: 1/4 inch (6.5 mm).
      4. Glass Thickness: 3/8 (9.5 mm).
      5. Glass Thickness (in/mm): \_\_\_\_\_\_\_.
      6. Glass Sheet Size: As specified by pattern.
      7. Glass Color: Clear float.

\*\* NOTE TO SPECIFIER \*\* Delete pattern options not required. Sheet sizes below are maximum sheet sizes that can be supplied. Sheets can be cut to custom sizes, 2 sq ft (0.19 sq mm) minimum.

* + - 1. Pattern: 1/2 inch Cross Reeded.
      2. Pattern: Double Gluechip.
      3. Pattern: English Muffle.
      4. Pattern: GNA clear.
      5. Pattern: K-Seedy.
      6. Pattern: Ligne.
      7. Pattern: Pointe.
      8. Pattern: Carre.
      9. Pattern: Autumn.
      10. Pattern: Rain glass.
      11. Pattern: Raye.
      12. Pattern: Euro Rain.
      13. Pattern: Single Gluechip.
      14. Pattern: S-Seedy.
      15. Pattern: Waterglass.
      16. Pattern: Wide Reeded.
      17. Pattern: Winterlake. Sheet Size:
      18. Pattern: Lo-Iron Velour. Sheet Size:
      19. Pattern: Wavevue.
      20. Pattern: Chinchilla.
      21. Pattern: Cottswald.
      22. Pattern: Delta.
      23. Pattern: Frosted Delta.
      24. Pattern: Euro Granite.
      25. Pattern: Master Lens.
      26. Pattern: Faux Restoration.
      27. Pattern: Narrow Reeded.
      28. Pattern: Silvit.
      29. Pattern: Sparkolite.
      30. Pattern: Stippolyte.
      31. Pattern: Sycamore.

\*\* NOTE TO SPECIFIER \*\* Delete glass edges option not required.

* + - 1. Glass Edges: Seamed.
      2. Glass Edges: Flat ground.

\*\* NOTE TO SPECIFIER \*\* Delete custom options not required or delete all. Safety glazing may not be available for all pattern options. Contact manufacturer for more information.

* + - 1. Custom Options:
         1. Safety Glazing: Tempered.
         2. Safety Glazing: Laminated.
         3. Custom Bent: As detailed on the drawings.
         4. Notches: As detailed on the drawings.
         5. Patterns: As detailed on the drawings.
         6. Holes: As detailed on the drawings.
         7. Outlets: As detailed on the drawings.
         8. Applied Opaque Color Coating: \_\_\_\_\_\_\_\_.
         9. Applied Translucent Color Coating: \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Marine-grade clear coating makes glass maintenance friendly.

* + - * 1. Marine-grade clear coating.

\*\* NOTE TO SPECIFIER \*\* Firemolded glass by GlassArt Design is heated in a kiln until it is soft, at which point it relaxes into a mold. The result is a fluid, organic pattern that varies naturally from panel to panel and can be made into numerous custom designed items. Delete if not required.

* + 1. Basis of Design: Firemolded Kiln Fired Glass as manufactured by GlassArt Design:
       1. Glass Type: Clear float.
       2. Glass Type: Clear low-iron.
       3. Glass Type: Tinted Grey
       4. Glass Type: Tinted Bronze
       5. Glass Type: Tinted Graylite.
       6. Glass Type: Tinted Atlantica.
       7. Glass Type: Tinted Azuria.
       8. Glass Type: Tinted Blue Green.
       9. Glass Type: Tinted Evergreen.
       10. Glass Type: Tinted Pacifica.
       11. Glass Type: Tinted Solar Blue.
       12. Glass Type: Tinted Solexia.

\*\* NOTE TO SPECIFIER \*\* Firemolded glass can be fabricated with a glass thickness of /8 to 3 inches (3 to 76 mm). See manufacturer's website for more detailed information.

* + - 1. Glass Thickness (in/mm): \_\_\_\_\_\_\_\_.
      2. Glass Sheet Size (in/mm): \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete pattern options not required.

* + - 1. Pattern: Sandstone.
      2. Pattern: Delta.
      3. Pattern: Lagoon.
      4. Pattern: Bamboo.
      5. Pattern: Elephant.
      6. Pattern: Ripple.
      7. Pattern: Geo.
      8. Pattern: Adobe.
      9. Pattern: Canvas.
      10. Pattern: Agate.
      11. Pattern: Linen.
      12. Pattern: Shabori.
      13. Pattern: Pinstripes.
      14. Pattern: Sienna.
      15. Pattern: Mezella.
      16. Pattern: Nieve.
      17. Pattern: Vides.
      18. Pattern: Winterlake.
      19. Pattern: Ocean.
      20. Pattern: Crezca.
      21. Pattern: Sonris.
      22. Pattern: Cielo.
      23. Pattern: Bayou.
      24. Pattern: Lava.
      25. Pattern: Batik.
      26. Pattern: Terra.
      27. Pattern: Lantero.
      28. Pattern: Sirrus.
      29. Pattern: Casero.
      30. Pattern: Spirit.
      31. Pattern: Grassland.
      32. Pattern: Tempest.
      33. Pattern: River.
      34. Pattern: Savana.
      35. Pattern: Pantera.
      36. Pattern: Matrice.
      37. Pattern: Shoal.
      38. Pattern: Constellation.
      39. Pattern: Mars.
      40. Pattern: Fizz.
      41. Pattern: Cedar.
      42. Pattern: GlassArt-Antique
      43. Pattern: As indicated on Drawings.
      44. Pattern: As provided by Architect.
      45. Pattern: As determined by the Architect from Manufacturer's selection.
      46. Pattern: \_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete glass edges option not required.

* + - 1. Glass Edges: Fire polished.
      2. Glass Edges: Flat.

\*\* NOTE TO SPECIFIER \*\* Delete custom options not required or delete all. Safety glazing may not be available for all pattern options. Contact manufacturer for more information.

* + - 1. Custom Options:
         1. Safety Glazing: Laminated.
         2. Safety Glazing: Tempered.
         3. Custom Bent: As detailed on the drawings.
         4. Combined Textures on One Panel: As detailed on the drawings.
         5. Applied Opaque Color Coating: \_\_\_\_\_\_\_\_.
         6. Applied Translucent Color Coating: \_\_\_\_\_\_\_\_.
         7. Etched: \_\_\_\_\_\_\_\_.
         8. Carved: \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Marine-grade clear coating makes glass maintenance friendly.

* + - * 1. Marine-grade clear coating.

\*\* NOTE TO SPECIFIER \*\* Elements Recycled Glass by GlassArt Design is a natural product, made from ninety-nine percent recycled glass, kiln fused in a mold, and contains no resins or chemicals, making it the ultimate environmentally friendly surface. Its smooth surface resists bacteria, and requires no maintenance making them prefect for kitchen counter tops, shower stalls, kitchen backsplashes and tabletops. Delete if not required.

* + 1. Basis of Design: Elements Recycled Glass as manufactured by GlassArt Design.

\*\* NOTE TO SPECIFIER \*\* Delete glass color options not required.

* + - 1. Glass Color: Ancient Gray.
      2. Glass Color: Black.
      3. Glass Color: Brown.
      4. Glass Color: Jade.
      5. Glass Color: White.

\*\* NOTE TO SPECIFIER \*\* Standard glass thickness is/8 (22 mm). Sheets can be cut to custom sizes, 3 sq ft (2787 sq cm) minimum. See manufacturer's website for more detailed information.

* + - 1. Glass Thickness: 7/8 inch (22 mm).
      2. Glass Sheet Size (in/mm): \_\_\_\_\_\_\_\_.
      3. Glass Finish: Polished.

\*\* NOTE TO SPECIFIER \*\* Delete glass edges options not required.

* + - 1. Glass Edges: Flat Polished.
      2. Glass Edges: Flat Ground.
      3. Glass Edges: Mitered.

\*\* NOTE TO SPECIFIER \*\* Delete custom options not required or delete all. Safety glazing may not be available for all pattern options. Contact manufacturer for more information.

* + - 1. Custom Options:
         1. Holes: As detailed on the Drawings.
         2. Sink Cutouts: As detailed on the Drawings.
         3. Sink Cutouts: With polishing.
         4. Sink Cutouts: Without polishing.

\*\* NOTE TO SPECIFIER \*\* EcoLuxe Recycled Glass by GlassArt Design is a natural product, made from one hundred percent recycled glass, kiln fused in a mold. Delete if not required.

* + 1. Basis of Design: EcoLuxe Recycled Glass as manufactured by GlassArt Design.

\*\* NOTE TO SPECIFIER \*\* Delete glass color options not required.

* + - 1. Applied Opaque Color Coating: \_\_\_\_\_\_\_\_.
      2. Applied Translucent Color Coating: \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Thickness varies by application from 3/8 inch (9.5 mm) to 3 inches (76 mm).

* + - 1. Glass Thickness (in/mm): \_\_\_\_\_\_\_\_.
      2. Glass Sheet Size (in/mm): \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete glass finish option not required.

* + - 1. Glass Finish: Natural Fused, Epoxy coated
      2. Glass Finish: Flat, matte finish.
      3. Glass Finish: Flat epoxy coated.

\*\* NOTE TO SPECIFIER \*\* Delete glass edges option not required.

* + - 1. Glass Edges: Flat Ground.
      2. Glass Edges: Hand Polished.

\*\* NOTE TO SPECIFIER \*\* Delete custom options not required or delete all. Safety glazing may not be available for all pattern options. Contact manufacturer for more information.

* + - 1. Custom Options:
         1. Holes: As detailed on the Drawings.
         2. Sink Cutouts: As detailed on the Drawings.
         3. Outlet Cutouts: As detailed on the Drawings.
         4. Notches: As detailed on the Drawings.
         5. Shapes: As detailed on the Drawings.
         6. Holes / Cutouts / Notches: With polishing.
         7. Holes / Cutouts / Notches: Without polishing.
         8. Safety Glazing: Laminated.
         9. Safety Glazing: Safety Backing.

\*\* NOTE TO SPECIFIER \*\* FirePolished™ Glass by GlassArt Design is a combination of heated Firemolded and Etching. The result is a defined high and low depth in the design. It involves texture or design, carved via sandblasting, then heated to create translucent embossing of carved texture or design, resulting in an appearance that is uniform etching over entire surface. Delete if not required.

* + 1. Basis of Design: FirePolished Glass as manufactured by GlassArt Design.

\*\* NOTE TO SPECIFIER \*\* Delete glass type options not required.

* + - 1. Glass Type: Clear float.
      2. Glass Type: Clear float matte/satin.
      3. Glass Type: Clear low-iron.
      4. Glass Type: Clear low iron matte/satin.
      5. Glass Type: Tinted Grey
      6. Glass Type: Tinted Bronze
      7. Glass Type: Tinted Graylite.
      8. Glass Type: Tinted Atlantica.
      9. Glass Type: Tinted Azuria.
      10. Glass Type: Tinted Blue Green.
      11. Glass Type: Tinted Evergreen.
      12. Glass Type: Tinted Pacifica.
      13. Glass Type: Tinted Solar Blue.
      14. Glass Type: Tinted Solexia.

\*\* NOTE TO SPECIFIER \*\* Thickness varies by pattern from 1/4 inch (6.4 mm) to 1 inch (25.4 mm).

* + - 1. Delete glass thickness options not required.
      2. Glass Thickness: 1/4 inch (6.5 mm).
      3. Glass Thickness: 1/2 inch (12.7 mm).
      4. Glass Thickness: 3/4 inch (19.1 mm).
      5. Glass Thickness: 1 inch (25.4 mm).
      6. Glass Thickness (in/mm): \_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Contact GlassArt for available glass edges.

* + - 1. Glass Edges: Fire polished.
      2. Glass Edges: Flat polished.
      3. Glass Edges: Flat ground.
      4. Glass Edges: Nibbled.
      5. Glass Edges: Plateau edge.

\*\* NOTE TO SPECIFIER \*\* Delete custom options not required or delete all.

* + - 1. Custom Options:
         1. Safety Glazing: Laminated.
         2. Safety Glazing: Tempered.
         3. Custom Bent: As detailed on the drawings.
         4. Applied Opaque Color Coating: \_\_\_\_\_\_\_\_.
         5. Applied Translucent Color Coating: \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Marine-grade clear coating makes glass maintenance friendly.

* + - * 1. Marine-grade clear coating.
    1. Basis of Design: Fused Glass as manufactured by GlassArt Design.

\*\* NOTE TO SPECIFIER \*\* Delete glass type options not required.

* + - 1. Glass Type: Clear float.
      2. Glass Type: Clear low-iron.
      3. Glass Type: Tinted
      4. Glass Type: Custom Color: \_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Glass thickness varies by pattern from 1/4 inch (6to 3 inches (76 mm). See manufacturer's website for more detailed information.

* + - 1. Glass Thickness (in/mm): \_\_\_\_\_\_\_\_.
      2. Glass Sheet Size (in/mm): \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete pattern options not required.

* + - 1. Pattern: Custom pattern as indicated on Drawings.
      2. Pattern: Custom pattern to be provided by Architect.

\*\* NOTE TO SPECIFIER \*\* Contact GlassArt for other available glass edges.

* + - 1. Glass Edges: Fire polished.
      2. Glass Edges: Flat polished.
      3. Glass Edges: Flat ground.
      4. Glass Edges: Nibbled.

\*\* NOTE TO SPECIFIER \*\* Delete custom options not required or delete all.

* + - 1. Custom Options:
         1. Applied Opaque Color Coating: \_\_\_\_\_\_\_\_.
         2. Applied Translucent Color Coating: \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Marine-grade clear coating makes glass maintenance friendly.

* + - * 1. Marine-grade clear coating.

\*\* NOTE TO SPECIFIER \*\* Colorcoat Back Painted Glass by GlassArt can be used in a variety of applications, such as back painted glass backsplashes, countertops, and signage. Any thickness or any color of glass can be custom-coated. Coatings can be applied to provide either a gloss or matte finish with the color. Delete if not required.

* + 1. Basis of Design: Colorcoat Back Painted Glass as manufactured by GlassArt Design.

\*\* NOTE TO SPECIFIER \*\* Delete glass type options not required.

* + - 1. Glass Type: Clear float.
      2. Glass Type: Clear float matte/satin.
      3. Glass Type: Clear low iron
      4. Glass Type: Clear low-iron matte/satin.
      5. Glass Type: Tinted Bronze.
      6. Glass Type: Tinted Gray.
      7. Glass Type: Tinted Graylite.
      8. Glass Type: Tinted Atlantica.
      9. Glass Type: Tinted Azuria.
      10. Glass Type: Tinted Blue Green.
      11. Glass Type: Tinted Evergreen.
      12. Glass Type: Tinted Pacifica.
      13. Glass Type: Tinted Solar Blue.
      14. Glass Type: Tinted Solexia.
      15. Glass Type: Firemolded Glass.
      16. Glass Type: Etched Glass.
      17. Glass Type: Pattern Glass.
      18. Glass Type: Clear mirror.
      19. Glass Type: Antique mirror.
      20. Glass Type: Carved.
      21. Glass Type: Fused.

\*\* NOTE TO SPECIFIER \*\* Glass thickness varies by application from 1/8 inch (3to 1 inch (25.4 mm). See manufacturer's website for more detailed information. Glass sheet sizes are up to 69 x 100 inches (1753 x 2540 mm). 2 sq ft (1858 sq cm) minimum.

* + - 1. Glass Thickness (in/mm): \_\_\_\_\_\_\_\_.
      2. Glass Sheet Size (in/mm): \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete pattern options not required.

* + - 1. Pattern: Solid over entire surface.
      2. Pattern: Custom pattern as indicated on Drawings.
      3. Pattern: Custom pattern to be provided by Architect.

\*\* NOTE TO SPECIFIER \*\* Delete glass edges options not required.

* + - 1. Glass Edges: Seamed.
      2. Glass Edges: Pencil Polished.
      3. Glass Edges: Pencil Ground.
      4. Glass Edges: Flat Polished.
      5. Glass Edges: Flat Ground.
      6. Glass Edges: Plateau.
      7. Glass Edges: Nibbled.
      8. Glass Edges: Broken.
      9. Glass Edges: Beveled.

\*\* NOTE TO SPECIFIER \*\* Delete custom options not required or delete all. Safety glazing may not be available for all pattern options.

* + - 1. Custom Options:
         1. Safety Gazing: Laminated.
         2. Safety Glazing: Tempered.
         3. Custom Bent: As detailed on the drawings.
         4. Notches: As detailed on the drawings.
         5. Shapes: As detailed on the drawings.
         6. Holes: As detailed on the drawings.
         7. Outlets: As detailed on the drawings.
         8. Etching Clearshield: As detailed on the drawings.
         9. Custom etched: As detailed on the drawings.
         10. LED Lighting.
         11. Opacity Customization
         12. Applied Opaque Color Coating: \_\_\_\_\_\_\_\_.
         13. Applied Translucent Color Coating: \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Marine-grade clear coating makes glass maintenance friendly.

* + - * 1. Marine-grade clear coating.

\*\* NOTE TO SPECIFIER \*\* Classic Mirror Glass by GlassArt has one coat of applied electroplated silver, one coat electroplated copper, and multiple coats of opaque paint to the back surface of glass. Delete if not required.

* + 1. Basis of Design: Classic Mirror Glass as manufactured by GlassArt Design.

\*\* NOTE TO SPECIFIER \*\* Delete glass color options not required.

* + - 1. Glass Color: Clear.
      2. Glass Color: Bronze.
      3. Glass Color: Gray.
      4. Glass Color: Specialty \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete glass thickness options not required. Custom thickness available: most patterns can be laminated to achieve desired thickness. Cut to size, 1 sf. ft. (929 sq. cm.) minimum, 72 x 130 inches (1829 x 3302 mm) maximum sheet size.

* + - 1. Glass Thickness: 1/8 inch (3 mm).
      2. Glass Thickness: 1/4 inch (6.5 mm).
      3. Glass Sheet Size (in/mm): \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete pattern options not required.

* + - 1. Pattern: Solid over entire surface.
      2. Pattern: Custom pattern as indicated on Drawings.
      3. Pattern: Custom pattern to be provided by Architect.

\*\* NOTE TO SPECIFIER \*\* Delete glass edges options not required.

* + - 1. Glass Edges: Flat Polished.
      2. Glass Edges: Flat Ground.
      3. Glass Edges: Beveled.
      4. Glass Edges: Pencil Ground.
      5. Glass Edges: Pencil Polished.

\*\* NOTE TO SPECIFIER \*\* Delete custom options not required or delete all.

* + - 1. Custom Options:
         1. Safety Gazing: Laminated.
         2. Notches: As detailed on the drawings.
         3. Shapes: As detailed on the drawings.
         4. Holes: As detailed on the drawings.
         5. Outlets: As detailed on the drawings.
         6. Safety Mesh: Category 2.
         7. Custom Etched: As detailed on the drawings.
         8. Custom Carved Design: As detailed on the drawings.
         9. Custom Desilvering.
         10. Applied Opaque Color Coating: \_\_\_\_\_\_\_\_.
         11. Applied Translucent Color Coating: \_\_\_\_\_\_\_\_.
         12. Stained Custom Color: \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Antique Mirror Glass by GlassArt has one coat of applied electroplated silver, one coat electroplated copper, and multiple coats of opaque paint to the back surface of glass. Delete if not required.

* + 1. Basis of Design: Antique Mirror Glass as manufactured by GlassArt Design.

\*\* NOTE TO SPECIFIER \*\* Delete glass color options not required.

* + - 1. Glass Color: Clear.

\*\* NOTE TO SPECIFIER \*\* Delete glass thickness options not required. Custom thickness available: most patterns can be laminated to achieve desired thickness. Cut to size, minimum: 1 sf. ft. (929 sq. cm.). Maximum sheet size for 1/8 inches thick: 48 x 84 inches (1220 x 2134 mm); Maximum sheet size for 1/4 inches thick: 48 x 96 inches (1220 x 2438 mm)";

* + - 1. Glass Thickness: 1/8 inch (3 mm).
      2. Glass Thickness: 1/4 inch (6.5 mm).
      3. Glass Sheet Size (in/mm): \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete pattern options not required.

* + - 1. Pattern: Solid over entire surface.
      2. Pattern: Custom pattern as indicated on Drawings.
      3. Pattern: Custom pattern to be provided by Architect.

\*\* NOTE TO SPECIFIER \*\* Delete glass edges options not required.

* + - 1. Glass Edges: Flat Polished.
      2. Glass Edges: Flat Ground.
      3. Glass Edges: Beveled.

\*\* NOTE TO SPECIFIER \*\* Delete glass finish options not required.

* + - 1. Glass Finish: Dark Cloud.
      2. Glass Finish: Rainbow.
      3. Glass Finish: Sunset.
      4. Glass Finish: Snow Cloud.
      5. Glass Finish: Silver Patina.
      6. Glass Finish: Summer Cloud.
      7. Glass Finish: French.
      8. Additional patterns/finishes available upon request: \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete custom options not required or delete all.

* + - 1. Custom Options:
         1. Safety Gazing: Laminated.
         2. Notches: As detailed on the drawings.
         3. Shapes: As detailed on the drawings.
         4. Holes: As detailed on the drawings.
         5. Outlets: As detailed on the drawings.
         6. Safety Mesh: Category 2.
         7. Etching Clearshield: As detailed on the drawings.
         8. Custom Etched: As detailed on the drawings.
         9. Custom Carved Design: As detailed on the drawings.
         10. Custom Desilvering.
         11. Applied Opaque Color Coating: \_\_\_\_\_\_\_\_.
         12. Applied Translucent Color Coating: \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Traditional Stained and Leaded Glass by GlassArt involve cutting glass into patterns held by metal frames, individual glass segments retained by cames. Artisans create a design as supplied with colored stained glass or use a clear mottled glass for your cabinets, windows or doors or create a custom leaded design. Delete if not required.

* + 1. Basis of Design: Stained and Leaded Glass as manufactured by GlassArt Design.

\*\* NOTE TO SPECIFIER \*\* Delete glass type options not required.

* + - 1. Glass Type: Custom colored.
      2. Glass Type: Patterned.
      3. Glass Type: Clear float.
      4. Glass Type: Clear float matte/satin.
      5. Glass Type: Clear low-iron.
      6. Glass Type: Clear low-iron matte/satin.
      7. Glass Type: Tinted.
      8. Glass Type: Clear mirror.
      9. Glass Type: Antique mirror.
      10. Glass Type: As shown on Architectural drawings.

\*\* NOTE TO SPECIFIER \*\* Glass thickness varies from 3/32 inch (2.3 mm) to 1/4 inch (6.4 mm); nominally 5/16 inch (7.9 mm).

* + - 1. Glass Thickness: Nominal thickness 5/16 inch (8 mm).

\*\* NOTE TO SPECIFIER \*\* Delete profile options not required.

* + - 1. Profile: Round.
      2. Profile: Flat.

\*\* NOTE TO SPECIFIER \*\* Delete cames edges options not required.

* + - 1. Cames Edges: Lead.
      2. Cames Edges: Brass.
      3. Cames Edges: Zinc.

\*\* NOTE TO SPECIFIER \*\* Delete Color and Pattern options not required.

* + - 1. Color and Pattern: As indicated on Drawings.
      2. Color and Pattern: As provided by Architect.
    1. Basis of Design: Laminated Glass as manufactured by GlassArt Design.

\*\* NOTE TO SPECIFIER \*\* Delete Glass Type options not required.

* + - 1. Glass Type: Clear float.
      2. Glass Type: Clear float matte/satin.
      3. Glass Type: Clear low-iron.
      4. Glass Type: Clear low-iron matte/satin
      5. Glass Type: Tinted.
      6. Glass Type: Clear mirror.
      7. Glass Type: Antique mirror.

\*\* NOTE TO SPECIFIER \*\* Delete glass edges options not required.

* + - 1. Glass Edges: Seamed.
      2. Glass Edges: Flat polish.
      3. Glass Edges: Flat ground.

\*\* NOTE TO SPECIFIER \*\* Thickness varies by project requirements; minimum 9/32 inch (7.1 mm).

* + - 1. Glass Thickness (in/mm): \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete custom options not required or delete all.

* + - 1. Custom Options:
         1. Safety Gazing: Tempered.
         2. Patterns: As detailed on the drawings.
         3. Notches: As detailed on the drawings.
         4. Shapes: As detailed on the drawings.
         5. Holes: As detailed on the drawings.
         6. Applied Opaque Color Coating: \_\_\_\_\_\_\_\_.
         7. Applied Translucent Color Coating: \_\_\_\_\_\_\_\_.

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until substrates have been properly constructed and prepared.
      2. If substrate preparation is the responsibility of another installer, notify Architect in writing of unsatisfactory preparation before proceeding.
   2. PREPARATION
      1. Clean surfaces thoroughly prior to installation.
      2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
   3. INSTALLATION
      1. Install in accordance with manufacturer's instructions approved submittals and in proper relationship with adjacent construction.
   4. FIELD QUALITY CONTROL
      1. Field Inspection: Coordinate field inspection in accordance with appropriate sections in Division 01.
   5. CLEANING AND PROTECTION
      1. Clean products in accordance with the manufacturers recommendations.
      2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION