SECTION 08 36 00

PANEL DOORS - CARRIAGE HOUSE GARAGE DOORS

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\*\* NOTE TO SPECIFIER \*\* Artisan Custom Door Works; Carriage House Garage Doors.  
This section is based on the products of Artisan Custom Door Works, which is located at:  
975 Hemlock Rd.  
Morgantown, PA 19543  
Toll Free: 888-913-9170  
Email: \_\_\_\_\_\_\_\_.  
Web: <https://artisandoorworks.com>   
[Click Here]   
At Artisan, we strive to craft custom carriage house garage doors that are as close to perfection as possible. We use the feedback we receive from dealers and customers to continuously innovate and improve our materials, construction process, and products. Here are just a few ways we've elevated the garage door industry:  
We are the only company to use a full-face frame system.  
We offer a reinforced window system that's many times stronger than the competition.  
We developed a proprietary pressure-laminating system.  
We prefinish every individual garage door component before assembly and final finishing.  
Luxury home builders choose Artisan products for their communities due to our proven track record of quality workmanship and sophisticated aesthetics.

1. GENERAL
   1. SECTION INCLUDES

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

* + 1. Wood carriage garage doors. (Medallion) (TimberLife/Accoya)
    2. Composite wood carriage garage doors. (Benchmark) (Benchmark 2)(TimberLife/Tricoya)
    3. Faux wood carriage garage doors. (American Farmhouse) (Quartet) (Rhapsody)
    4. Vinyl carriage garage doors. (Prelude 2) (Symphony)
    5. Aluminum and glass garage doors. (Panorama)
    6. Swing and slide garage doors. (True Swing and Slide)
  1. RELATED SECTIONS

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

* + 1. Section 05 50 00 - Metal Fabrications.
    2. Section 06 10 00 - Rough Carpentry.
    3. Section 08 71 00 - Door Hardware.
    4. Section 11 12 26.13 - Parking Fee Coin Collection Equipment.
    5. Division 16 - Electrical - Electrical service and connections for powered operators.
  1. REFERENCES

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

* + 1. ASTM International (ASTM):
    2. American National Standards Institute (ANSI):
    3. American Society of Mechanical Engineers (ASME):
    4. FM Global:
    5. National Fire Protection Association (NFPA):
    6. Underwriters Laboratories (UL):
  1. DEFINITIONS
     1. Backroom: The clear area at the ceiling or rafters where your horizontal door track will be hung and where the automatic opener is placed. This area supports the door sections when the door is open and must be clear of any obstructions.
     2. Door Opening: The height and width of the finished or existing garage door opening.
        1. Height: Measured from floor to underside of door jamb.
        2. Width: Measured between left and right jambs.
     3. Single Doors:
        1. Width: Typically 8 to 9 ft (2438 to 2743 mm). May be up to 12 ft (3658 mm) (3658 mm) wide.
        2. Height: 7 to 8 ft (2134 to 2438 mm).
     4. Double Doors: In most cases, they look like two single doors placed side-by-side.
        1. Width: Over 12 ft (3658 mm) (3658 mm). Most often 16 to 18 ft (4877 to 5486 mm) wide,
        2. Height: 7 to 9 ft (2134 to 2743 mm).
     5. Finished Opening: The space created by finish trim that's installed in the rough opening. Casings have been installed, and the jamb should be ready for the door hinges to be screwed into place.
     6. FSC: Forest Stewardship Council
     7. Headroom: The space from the door opening to the lowest overhead obstruction, like the ceiling or exposed roof rafters. This is where the vertical track curves to meet the horizontal track that holds the door sections when the door is open.
     8. Masonry opening: The space created by the actual masonry that the door jamb is attached to. Each masonry opening has its unique issues, so it's important to speak with an expert before getting started.
     9. Rough Opening: The space created by the rough wood framing typically used in new construction. This includes king studs, jack/trimmer studs, header, and subfloor sheathing.
     10. Sideroom: The clear area on either side of the door opening where the vertical track is installed. Take left and right side room measurements that account for both the track and space to operate installation tools.
  2. 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.
        2. Preparation instructions and recommendations.
        3. Storage and handling requirements and recommendations.
        4. Typical installation methods.

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

* + 1. Verification Samples: Two representative units of each type, size, pattern, and color.
    2. 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.
  2. DELIVERY, STORAGE, AND HANDLING
     1. Store and handle in strict compliance with manufacturer's written instructions and recommendations.
     2. Protect from damage due to weather, excessive temperature, and construction operations.
  3. PROJECT CONDITIONS
     1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
  4. WARRANTY
     1. Manufacturer's standard limited warranty unless indicated otherwise.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Artisan Custom Doorworks, which is located at:975 Hemlock Rd.Morgantown, PA 19543Toll Free Tel: 888-913-9170Fax: 888-913-9179Email: [request info (matt@artisandoorworks.com)](https://arcat.com/rfi?action=email&company=Artisan%252BCustom%252BDoorworks&message=RE%253A%2520Spec%2520Question%2520(08360acd)%253A%2520&coid=42357&spec=08360acd&rep=&fax=888-913-9179);Web: <https://artisandoorworks.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 AND DESIGN REQUIREMENTS
     1. Design Dimensions:

\*\* NOTE TO SPECIFIER \*\* Delete design dimensions not required. Fill in the dimensions that are required.

* + - 1. Door Opening (Width x Height): \_\_\_ x \_\_\_ inches (\_\_\_ x \_\_\_ mm).
      2. Door Opening: As determined by the Architect or detailed on the Drawings.
      3. Sideroom (Width x Height) Left Side: \_\_\_ x \_\_\_ inches (\_\_\_ x \_\_\_ mm).
      4. Sideroom (Width x Height) Right Side: \_\_\_ x \_\_\_ inches (\_\_\_ x \_\_\_ mm).
      5. Sideroom: As determined by the Architect or detailed on the Drawings.
      6. Headroom: (Width x Height): \_\_\_ x \_\_\_ inches (\_\_\_ x \_\_\_ mm).
      7. Headroom: As determined by the Architect or detailed on the Drawings.
      8. Backroom: (Width x Height): \_\_\_ x \_\_\_ inches (\_\_\_ x \_\_\_ mm).
      9. Backroom: As determined by the Architect or detailed on the Drawings.
      10. Rough Opening: (Width x Height): \_\_\_ x \_\_\_ inches (\_\_\_ x \_\_\_ mm).
      11. Rough Opening: As determined by the Architect or detailed on the Drawings.
      12. Finished Opening: (Width x Height): \_\_\_ x \_\_\_ inches (\_\_\_ x \_\_\_ mm).
      13. Finished Opening: As determined by the Architect or detailed on the Drawings.
      14. Masonry Opening: (Width x Height): \_\_\_ x \_\_\_ inches (\_\_\_ x \_\_\_ mm).
      15. Masonry Opening: As determined by the Architect or detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Delete article if not requiredor delete paragraphs and options not required.

* 1. WOOD CARRIAGE GARAGE DOORS
     1. Medallion as manufactured by Artisan. A handcrafted luxury wood carriage door with rich detailing and styling.

\*\* NOTE TO SPECIFIER \*\* Delete door styles not required.

* + - 1. Carriage Door Style: Swing.
      2. Carriage Door Style: Trifold.
      3. Carriage Door Style: Double doors. 12 ft (3658 mm) or wider.
      4. Construction:
         1. Frame overlay is milled with profiled edges to add elegant detailing.
         2. Frame overlay stiles and rails are coped and mechanically joined with hidden joinery for tight seams and are high-pressure bonded to the core frame.
         3. Flat Tricoya 3/8 inch (9.5 mm) panels, wood raised panel or tongue and groove panels.
         4. Standard Hem-Fir Frame: Core frames are constructed using Hem-fir lumber and rails with a urethane insulated foam core. Mahogany Luan backer panels are pressure laminated for added strength.
         5. Foam Insulation: Total calculated frame R-value of 9.1.
         6. Marine-grade Backer Plywood Panel: 1/4 inch (6 mm) thick.
         7. No Visible Exterior Fasteners or Fillers: Lamination process allows face frame and core frame attachment to eliminate exterior fastener filler marks.

\*\* NOTE TO SPECIFIER \*\* Specialty glass with countless options are available. Please visit our website or contact manufacturer for details. Delete options not required.

* + - 1. Top Section: Arch top with standard or custom radius.
      2. Top Section: Simulated Divided Lites: Exterior and interior grilles having profiled edge milling for a rich, architectural look.
      3. Top Section: True divided lites with individual panes of glass and an integral sash, and interior stops.
      4. Top Section: Mullioned lites.
      5. Top Section: Custom glass configurations with simulated divided lites.
      6. Glass: Clear. Double strength.
      7. Glass: Glacier.
      8. Glass: Hammered.
      9. Glass: Seeded.
      10. Glass: Frosted.
      11. Decorative Trim: Cross Buck (X-Buck).
      12. Decorative Trim: V-Buck.
      13. Decorative Trim: Z-Buck (A-Buck).
      14. Decorative Trim: Cross Rail.
      15. Decorative Trim: Sprung Diagonal Boards.
      16. Decorative Trim: Chamfered Edges.
      17. Decorative Trim: Wide Center Bead.
      18. Decorative Trim: False Center Post.
      19. Bottom Astragal: EPDM rubber mounted in an aluminum retainer.
      20. Material: Solid hem/fir wood frame with smooth, marine-grade plywood pressure-laminated to the frame.
          1. Full-Thickness Overlay Face Frame and Trim Boards:

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

Paint-Grade: FSC certified Red Grandis.

Stain-Grade: Sapele mahogany.

Stain-Grade: Spanish cedar.

Stain-Grade: Western red cedar.

Stain-Grade: Frame overlay boards in custom wood species.

* + - * 1. Panels, up to Four on Single Doors and Eight on Double Doors:

\*\* NOTE TO SPECIFIER \*\* Delete panel options not required. The first paragraph is standard.

Paint-Grade: Tricoya exterior-grade flat wood composite.

Paint-Grade: Tricoya V-groove.

Paint-Grade: Red Grandis Tongue and Groove: Beaded.

Paint-Grade: Red Grandis Tongue and Groove: Flush.

Paint-Grade: Red Grandis Tongue and Groove: Square.

Paint-Grade: Red Grandis Tongue and Groove: V-groove.

Paint-Grade: Extira raised panels.

Stain-Grade: Sapele Mahogany Tongue and Groove: Beaded.

Stain-Grade: Sapele Mahogany Tongue and Groove: Flush.

Stain-Grade: Sapele Mahogany Tongue and Groove: Square.

Stain-Grade: Sapele Mahogany Tongue and Groove: V-groove.

Stain-Grade: Spanish Cedar Tongue and Groove: Beaded.

Stain-Grade: Spanish Cedar Tongue and Groove: Flush.

Stain-Grade: Spanish Cedar Tongue and Groove: Square.

Stain-Grade: Spanish Cedar Tongue and Groove: V-groove.

Stain-Grade: Western Red Cedar Tongue and Groove: Beaded.

Stain-Grade: Western Red Cedar Tongue and Groove: Flush.

Stain-Grade: Western Red Cedar Tongue and Groove: Square.

Stain-Grade: Western Red Cedar Tongue and Groove: V-groove.

\*\* NOTE TO SPECIFIER \*\* Custom wood species are easily accommodated depending upon your design and the availability of appropriate sizes. Just ask for the species of your choice.

* + - * 1. Wood Species: \_\_\_\_\_\_\_\_\_\_

\*\* NOTE TO SPECIFIER \*\* Delete factory finish if not required or delete finish options and color options not required.

* + - 1. Factory Finish:
         1. Prime only - 2 coats of primer.
         2. Artisan Standard Paint: 2 coats of primer, 2 coats of finish paint color.

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect from Manufacturer's standard range.

* + - * 1. Custom Paint: 2 coats of primer, 2 coats of custom paint.

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect.

\*\* NOTE TO SPECIFIER \*\* Endura® stain finish, is only for doors with upgraded wood species face frames and panels. These include Western red cedar, Spanish cedar, Sapele mahogany, Red grandis, and most custom wood species. Delete if not required.

* + - * 1. Endura Stain Finish:

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect from Manufacturer's standard range.

\*\* NOTE TO SPECIFIER \*\* Sansin Enviro Stain's nano technology process atomizes high quality pigments into tiny particles that combine with protective oils and resins on a molecular level to create a vibrant and long lasting finish. Comes with a 3-year Factory Warranty. An added top coat during the first year extends the finish warranty to 7 years. Delete if not required. Delete top coat is not required.

* + - * 1. Sansin Enviro Stain:

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect from Manufacturer's standard range.

Top Coat.

\*\* NOTE TO SPECIFIER \*\* Faux Stain Paint is only available for red grandis face frame and panel options. Delete if not required.

* + - * 1. Faux Stain Paint:

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect from Manufacturer's standard range.

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

* + - 1. Field Finish: Door is delivered unfinished. All field finishing must be done within 10 days of door delivery. All door sections must be finish sanded before applying paint or stain. Ensure all edges are finished prior to installation to maintain the warranty.

\*\* NOTE TO SPECIFIER \*\* Delete staining or painting option not required.

* + - * 1. Staining: Follow manufacturer's directions for applying the exterior grade stain product you have selected.
        2. Painting: Use a high-quality, exterior-grade latex paint product and follow the manufacturer's application instructions.

Apply 2 coats of primer to all 6 sides of each door section.

Apply 2 coats of your finish color.

Dark paint colors with a light reflective value below 60 can create excessive solar heat gain and will void the product warranty.

* + - * 1. Doors must be finished prior to installation in order to maintain the warranty.
        2. Primer and Paint: \_\_\_\_\_\_\_\_.
        3. Primer and Paint: As detailed on the Drawings.
        4. Color: \_\_\_\_\_\_\_\_.
        5. Color: Determined by the Architect from Manufacturer's standard range.

\*\* NOTE TO SPECIFIER \*\* Delete overhead track options not required.

* + - 1. Overhead Track: 15 inch (381 mm) Radius track, 15 inch (381 mm) minimum headroom.
      2. Overhead Track: 20 inch (508 mm) Radius track, 20 inch (508 mm) minimum headroom.
      3. Overhead Track: 32 inch (813 mm) Radius track, 32 inch (813 mm) minimum headroom.
      4. Overhead Track: 6 inch (152 mm) Low Headroom, Front Torsion, 9 inch (229 mm) min. headroom.
      5. Overhead Track: 3 inch (76 mm) Low Headroom, Front Torsion, 7 inch (178 mm) min. headroom.
      6. Overhead Track: Hi-Lift track, provide floor to ceiling clearance measurement.

\*\* NOTE TO SPECIFIER \*\* Delete accessories not required.

* + - 1. Accessories:
         1. Door Jambs: Matching wood species door jambs and casings are available to further enhance your garage door opening.
         2. Door Stops and Seals: Door stops can be purchased to match the wood species, color, and finish of your door. Seals come in 4 colors to coordinate with your door and trim colors. Stops and seals provide for a tight weather resistant. seal around your door opening.

\*\* NOTE TO SPECIFIER \*\* Delete decorative hardware paragraph if not required or delete hardware options not required.

* + - * 1. Decorative Hardware: Hand-forged and black powder-coated finish.

Heavy-Duty: 1/4 inch (6 mm) thickness.

Standard Duty: 3/16 inch (5 mm) thickness.

Material: Steel.

Material: Aluminum. For coastal environments.

Strap Hinges: Tulip.

Strap Hinges: Heart.

Strap Hinges: Bean.

Latches: Tulip.

Latches: Heart.

Latches: Bean.

Pull Handle: Tulip.

Pull Handle: Heart.

Pull Handle: Bean.

Clavos.

Ring Pulls.

Pull Handles.

Door stops.

Jambs.

* + 1. TimberLife as manufactured by Artisan. Made from either Accoya or Tricoya modified wood, which uses acetylation technology to prevent the cells in wood from absorbing water. Durable and dimensionally stable.
       1. Wood Type: Accoya modified wood. An acetylation processed wood.

\*\* NOTE TO SPECIFIER \*\* Delete door style options and board texture not required.

* + - 1. Door Style: Swing Single.
      2. Door Style: Swing Double.
      3. Door Style: Trifold.
      4. Board Texture: Smooth.
      5. Board Texture: Wired brush.
      6. Board Texture: Charred Accoya. Nigiri Japanese shou sugi ban.
      7. Board Texture: Charred Accoya. Samitto Japanese shou sugi ban.
      8. Board Texture: Charred Accoya. Ikigai Japanese shou sugi ban.
      9. Board Texture: Charred Accoya. Matsu Japanese shou sugi ban.
      10. Construction:
          1. Simulated Divided Lites: Exterior and interior grilles. profiled edge milling for a rich, architectural look.
          2. True divided lites.
          3. Frame Overlay Stiles and Rails: Accoya. Coped and mechanically joined with hidden joinery for tight seams. High-pressure bonded to core frame.
          4. Panels: Accoya wood raised.
          5. Panels: Accoya tongue and groove.
          6. Core Frame: Constructed using Accoya lumber.
          7. Foam Urethane Insulation Core: Contributes to total calculated frame R-value of 9.1.
          8. Backer Panel: Tricoya, 3/8 inch (9.5 mm) thick. Pressure laminated for added strength.
          9. No visible fastener or filler marks.
          10. Bottom astragal is an EPDM rubber mounted in an aluminum retainer.

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

* + - 1. Glass: Clear. Double strength.
      2. Glass: Textured.
      3. Glass: Satin etched.
      4. Glass: Metalic painted.
      5. Plank Style: Horizontal.
      6. Plank Style: Vertical.
      7. Plank Style: Vertical Alternating.
      8. Panel Styles: Flush tongue and groove.
      9. Panel Styles: Beaded tongue and groove.
      10. Panel Styles: Raised.
      11. Panel Styles: V-groove.
      12. Panel Styles: Square groove.
      13. Door Trim: Cross Buck (X-Buck).
      14. Door Trim: V-Buck.
      15. Door Trim: Z-Buck (A-Buck).
      16. Door Trim: Cross Rail.
      17. Door Trim: Sprung Diagonal Boards.
      18. Door Trim: Chamfered Edges.
      19. Door Trim: Wide Center Bead.
      20. Door Trim: False Center Post.
      21. Trim Profiles: Square.
      22. Trim Profiles: Beveled.
      23. Trim Profiles: Ovalo.
      24. Windows: Rectangle on horizontal plank.
      25. Windows: Square on vertical plank.
      26. Window Style: Square single pane.
      27. Window Style: Square dual lite horizontal.
      28. Window Style: Square dual lite vertical.
      29. Window Style: Square quad lite.
      30. Factory Finish:

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - * 1. Endura Stain Finish:

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect from Manufacturer's standard range.

\*\* NOTE TO SPECIFIER \*\* Sansin Enviro Stain's nano technology process atomizes high quality pigments into tiny particles that combine with protective oils and resins on a molecular level to create a vibrant and long lasting finish. Comes with a 3-year Factory Warranty. An added top coat during the first year extends the finish warranty to 7 years. Delete if not required. Delete top coat is not required.

* + - * 1. Sansin Enviro Stain:

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect from Manufacturer's standard range.

Top Coat.

* + - * 1. Custom Paint: 2 coats of primer, 2 coats of custom paint.

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect.

\*\* NOTE TO SPECIFIER \*\* Delete decorative hardware paragraph if not required or delete options not required.

* + - * 1. Decorative Hardware: Hand-forged and black powder-coated finish.

Heavy-Duty: 1/4 inch (6 mm) thickness.

Standard Duty: 3/16 inch (5 mm) thickness.

Material: Steel.

Material: Aluminum. For coastal environments.

Strap Hinges: Tulip.

Strap Hinges: Heart.

Strap Hinges: Bean.

Latches: Tulip.

Latches: Heart.

Latches: Bean.

Pull Handle: Tulip.

Pull Handle: Heart.

Pull Handle: Bean.

Clavos.

Ring Pulls.

Pull Handles.

Door stops.

Jambs.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required or paragraphs not required.

* 1. COMPOSITE WOOD CARRIAGE GARAGE DOORS
     1. Benchmark Series as manufactured by Artisan. The look and feel of real wood in an affordable, energy-efficient, and eco-friendly package. The composite material garage door it is moisture-, insect-, and rot-resistant, along with being extremely low maintenance.

\*\* NOTE TO SPECIFIER \*\* Delete door style options not required.

* + - 1. Carriage Door Style: Swing.
      2. Carriage Door Style: Trifold.
      3. Carriage Door Style: Double doors. 12 ft (3658 mm) or wider.
      4. Construction Details:
         1. Frame Section: 1-1/4 inch (6 mm) thick.
         2. Frame: Wood.
         3. Tricoya Panels: 3/8 inch (9.5 mm) thick V-groove or flat.
         4. Urethane Foam Core: R value of 9.1.
         5. Extra Composite Overlay Face Frame: 3/4 inch (19 mm) thick with profiled edges.
         6. Overlay Boards: 5-3/4 inch (146 mm) width.
         7. Backer Panel: 1/4 inch (6 mm) marine grade mahogany plywood
         8. Overall section thickness: 2 inches (51 mm).
      5. Standard Design Features:
         1. Torsion springs.
         2. Heavy-duty track. Powder coated.
         3. Hinges: 11 gauge.
         4. Commercial-grade white nylon rollers.
         5. Vinyl bottom astragal with aluminum retainer.
      6. Windows and Lites:
         1. Exterior grille features simulated divided lites.
         2. Single-wide door: Up to 16 lites.
         3. Double-wide door: Up to 32 lites.
      7. Finish: Factory primed paint-grade wood composite door.

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required and color options not required.

* + - * 1. Field Paint Application: High-quality exterior paint is required prior to installation to comply with the terms of the warranty.

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect.

* + - * 1. Factory Paint Application: 2 coats of primer, 2 coats of custom paint.

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect.

Color: Determined by the Architect.

\*\* NOTE TO SPECIFIER \*\* Delete decorative hardware paragraph if not required or delete options not required.

* + - 1. Decorative Hardware: Hand-forged and black powder-coated finish.
         1. Heavy-Duty: 1/4 inch (6 mm) thickness.
         2. Standard Duty: 3/16 inch (5 mm) thickness.
         3. Material: Steel.
         4. Material: Aluminum. For coastal environments.
         5. Strap Hinges: Tulip.
         6. Strap Hinges: Heart.
         7. Strap Hinges: Bean.
         8. Latches: Tulip.
         9. Latches: Heart.
         10. Latches: Bean.
         11. Pull Handle: Tulip.
         12. Pull Handle: Heart.
         13. Pull Handle: Bean.
         14. Clavos.
         15. Ring Pulls.
         16. Pull Handles.
         17. Door stops.
         18. Jambs.
    1. Benchmark 2 Series as manufactured by Artisan. Brings together beautiful, low-maintenance Extira materials and innovative construction techniques to provide countless design possibilities. Exceptionally durable and resistant to moisture, decay, and rotting.

\*\* NOTE TO SPECIFIER \*\* Delete door style options not required.

* + - 1. Carriage Door Style: Swing.
      2. Carriage Door Style: Trifold.
      3. Carriage Door Style: Double doors.
      4. Construction:
         1. Overall door thickness of 1-3/4 inches (44 mm).
         2. Low-maintenance Extira face on engineered LVL core frame.
         3. High-performance urethane insulation provides an R value of 9.
         4. Plywood backer panel on interior of door.
      5. Bottom Astragal: With weather stripping. An EPDM rubber seal mounted in an aluminum retainer.
      6. Matching Door Stops: A choice of black, brown, beige, or white Q-Lon seals.
      7. Design Choices:

\*\* NOTE TO SPECIFIER \*\* Delete deign choices not required.

* + - * 1. Glazing: Double-strength clear.
        2. Glazing: Tempered.
        3. Glazing: Insulated.
        4. Glazing: Specialty \_\_\_\_\_\_\_\_.
        5. Grid patterns use simulated divided lites.
        6. Mullioned lites.
        7. Top Section: Standard arch, solid.
        8. Top Section: Square, solid.
        9. Top Section: Standard arch with glazing.
        10. Top Section: Square with glazing.
        11. Beveled window muntins.
        12. Panel Styles: Raised.
        13. Panel Styles: V-groove.
        14. Panel Styles: Herringbone V-groove.
        15. Door Trim: Cross Buck (X-Buck).
        16. Door Trim: V-Buck.
        17. Door Trim: Z-Buck (A-Buck).
        18. Door Trim: Cross Rail.
      1. Finish:
         1. Field Paint Application: High-quality exterior paint is required prior to installation to comply with the terms of the warranty.

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect.

\*\* NOTE TO SPECIFIER \*\* Delete decorative hardware paragraph if not required or delete options not required. Custom door designs are available. Contact manufacturer for more information.

* + - 1. Decorative Hardware: Hand-forged and black powder-coated finish.
         1. Heavy-Duty: 1/4 inch (6 mm) thickness.
         2. Standard Duty: 3/16 inch (5 mm) thickness.
         3. Material: Steel.
         4. Material: Aluminum. For coastal environments.
         5. Strap Hinges: Tulip.
         6. Strap Hinges: Heart.
         7. Strap Hinges: Bean.
         8. Latches: Tulip.
         9. Latches: Heart.
         10. Latches: Bean.
         11. Pull Handle: Tulip.
         12. Pull Handle: Heart.
         13. Pull Handle: Bean.
         14. Clavos.
         15. Ring Pulls.
         16. Pull Handles.
         17. Door stops.
         18. Jambs.
    1. TimberLife as manufactured by Artisan. Made from either Accoya or Tricoya modified wood, which uses acetylation technology to prevent the cells in wood from absorbing water. Durable and dimensionally stable.
       1. Wood Type: Tricoya modified wood. An acetylation processed wood.

\*\* NOTE TO SPECIFIER \*\* Delete door style options and board texture not required.

* + - 1. Door Style: Swing Single.
      2. Door Style: Swing Double.
      3. Door Style: Trifold.
      4. Board Texture: Smooth.
      5. Board Texture: Wired brush.
      6. Board Texture: Charred Accoya. Nigiri Japanese shou sugi ban.
      7. Board Texture: Charred Accoya. Samitto Japanese shou sugi ban.
      8. Board Texture: Charred Accoya. Ikigai Japanese shou sugi ban.
      9. Board Texture: Charred Accoya. Matsu Japanese shou sugi ban.
      10. Construction:
          1. Simulated Divided Lites: Exterior and interior grilles. profiled edge milling for a rich, architectural look.
          2. True divided lites.
          3. Frame Overlay Stiles and Rails: Accoya. Coped and mechanically joined with hidden joinery for tight seams. High-pressure bonded to core frame.
          4. Panels: Accoya wood raised.
          5. Panels: Accoya tongue and groove.
          6. Core Frame: Constructed using Accoya lumber.
          7. Foam Urethane Insulation Core: Contributes to total calculated frame R-value of 9.1.
          8. Backer Panel: Tricoya, 3/8 inch (9.5 mm) thick. Pressure laminated for added strength.
          9. No visible fastener or filler marks.
          10. Bottom astragal is an EPDM rubber mounted in an aluminum retainer.

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

* + - 1. Glass: Clear. Double strength.
      2. Glass: Textured.
      3. Glass: Satin etched.
      4. Glass: Metalic painted.
      5. Plank Style: Horizontal.
      6. Plank Style: Vertical.
      7. Plank Style: Vertical Alternating.
      8. Panel Styles: Flush tongue and groove.
      9. Panel Styles: Beaded tongue and groove.
      10. Panel Styles: Raised.
      11. Panel Styles: V-groove.
      12. Panel Styles: Square groove.
      13. Door Trim: Cross Buck (X-Buck).
      14. Door Trim: V-Buck.
      15. Door Trim: Z-Buck (A-Buck).
      16. Door Trim: Cross Rail.
      17. Door Trim: Sprung Diagonal Boards.
      18. Door Trim: Chamfered Edges.
      19. Door Trim: Wide Center Bead.
      20. Door Trim: False Center Post.
      21. Trim Profiles: Square.
      22. Trim Profiles: Beveled.
      23. Trim Profiles: Ovalo.
      24. Windows: Rectangle on horizontal plank.
      25. Windows: Square on vertical plank.
      26. Window Style: Square single pane.
      27. Window Style: Square dual lite horizontal.
      28. Window Style: Square dual lite vertical.
      29. Window Style: Square quad lite.
      30. Factory Finish:

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - * 1. Endura Stain Finish:

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect from Manufacturer's standard range.

\*\* NOTE TO SPECIFIER \*\* Sansin Enviro Stain's nano technology process atomizes high quality pigments into tiny particles that combine with protective oils and resins on a molecular level to create a vibrant and long lasting finish. Comes with a 3-year Factory Warranty. An added top coat during the first year extends the finish warranty to 7 years. Delete if not required. Delete top coat is not required.

* + - * 1. Sansin Enviro Stain:

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect from Manufacturer's standard range.

Top Coat.

* + - * 1. Custom Paint: 2 coats of primer, 2 coats of custom paint.

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect.

\*\* NOTE TO SPECIFIER \*\* Delete decorative hardware paragraph if not required or delete options not required.

* + - * 1. Decorative Hardware: Hand-forged and black powder-coated finish.

Heavy-Duty: 1/4 inch (6 mm) thickness.

Standard Duty: 3/16 inch (5 mm) thickness.

Material: Steel.

Material: Aluminum. For coastal environments.

Strap Hinges: Tulip.

Strap Hinges: Heart.

Strap Hinges: Bean.

Latches: Tulip.

Latches: Heart.

Latches: Bean.

Pull Handle: Tulip.

Pull Handle: Heart.

Pull Handle: Bean.

Clavos.

Ring Pulls.

Pull Handles.

Door stops.

Jambs.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. FAUX WOOD CARRIAGE GARAGE DOORS
     1. American Farmhouse as manufactured by Artisan. Simulates the look and feel of authentic barn wood to add elegance to any home. Crafted by hand to ensure architectural excellence of the highest quality. Bug-resistant. Moisture-resistant. Rot-resistant. Virtually maintenance-free. Lightweight for less stress on garage door openers. UV-resistant.

\*\* NOTE TO SPECIFIER \*\* Delete door style option not required.

* + - 1. Carriage Door Style: Swing.
      2. Carriage Door Style: Double swing doors.
      3. Construction Details:
         1. Steel-insulated frame sections with thermal break.
      4. Design Criteria:

\*\* NOTE TO SPECIFIER \*\* Delete options not required. Arched available contact manufacturer for more information.

* + - * 1. Plank Style Base: 1-7/8 inch (48 mm) thick. R-Value: R8.

Horizontal: Window Style: No windows.

Horizontal: Window Style: Rectangle single pane.

Vertical: Window Style: No windows.

Vertical: Window Style: Square single pane.

Vertical: Window Style: Square dual pane horizontal.

Vertical: Window Style: Square dual pane vertical.

Vertical: Window Style: Square quad pane.

Vertical Alternating Widths: No windows.

Vertical Alternating Widths: Window Style: Square single pane.

Vertical Alternating Widths: Window Style: Square dual lites horizontal.

Vertical Alternating Widths: Window Style: Square dual lites vertical.

Vertical Alternating Widths: Window Style: Square quad lites.

Panel Style: Cross Rails.

Panel Style: V-Bucks.

Panel Style: Z-Bucks.

* + - * 1. Swing Style: 2-3/8 inch (9.5 mm) thick. Plank Base: Vertical. R-Value: R18.

Single Swing:

Trim Style: Cross Rails.

Trim Style: V-Bucks.

Trim Style: Z-Bucks.

Trim Style: X-Bucks.

Double Swing:

Trim Style: Cross Rails.

Trim Style: V-Bucks.

Trim Style: Z-Bucks.

Trim Style: X-Bucks.

Windows: Full Glass Window Frame Rectangular.

Window Style: Rectangle single lite.

Window Style: Rectangle dual lite horizontal.

Window Style: Rectangle dual lite vertical.

Window Style: Rectangle quad lite.

Window Style: Rectangle six lite.

Window Style: Rectangle eight lite.

Windows: Vertical Plank Square Window.

Window Style: Square single lite.

Window Style: Square dual lite horizontal.

Window Style: Square dual lite vertical.

Window Style: Square quad lite.

* + - * 1. Facing Planks: Molded 1/2 inch (13 mm) thick urethane with prime finish, adhered to base sections using an industrial adhesive process.
        2. Aluminum bottom retainer with U-shaped floor seals.
      1. Hardware:
         1. High-Cycle Torsion Springs: Oil-tempered. Cycles: 20,000.
         2. Track: Heavy-duty. 15 inch (381 mm) radius standard.

\*\* NOTE TO SPECIFIER \*\* Powder coating is optional. Delete if not required.

Powder-Coated: Track and hardware.

* + - * 1. Hinges: 11 gauge heavy-duty.
        2. Rollers: 10 ball nylon.

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

* + - 1. Glazing: 1/8 inch (3 mm) clear double strength.
      2. Glazing: 1/2 inch (13 mm) insulated.
      3. Glazing: 1/2 inch (13 mm) tempered glass.
      4. Finish: Solid.
      5. Finish: Barnwood accents.
      6. Finish: Driftwood accents.
      7. Color: As determined by the Architect from manufacturer's offerings.
      8. Color: \_\_\_\_\_\_\_\_.
      9. Color: Determined by the Architect.

\*\* NOTE TO SPECIFIER \*\* Delete paragraph if not required.

* + - 1. Accessories:
         1. Matching door stops with integral seals.

\*\* NOTE TO SPECIFIER \*\* Delete decorative hardware paragraph if not required or delete options not required. Custom door designs are available. Contact manufacturer for more information.

* + - 1. Decorative Hardware: Hand-forged and black powder-coated finish.
         1. Heavy-Duty: 1/4 inch (6 mm) thickness.
         2. Standard Duty: 3/16 inch (5 mm) thickness.
         3. Material: Steel.
         4. Material: Aluminum. For coastal environments.
         5. Strap Hinges: Tulip.
         6. Strap Hinges: Heart.
         7. Strap Hinges: Bean.
         8. Latches: Tulip.
         9. Latches: Heart.
         10. Latches: Bean.
         11. Pull Handle: Tulip.
         12. Pull Handle: Heart.
         13. Pull Handle: Bean.
         14. Clavos.
         15. Ring Pulls.
         16. Pull Handles.
         17. Door stops.
         18. Jambs.
    1. Quartet as manufactured by Artisan. Steel frame and faux wood facing, low-maintenance garage door. Durable face is moisture-, crack-, insect-, and decay-resistant for minimal upkeep. Face frame boards are molded in subtle textures and patterns of quarter-sawn oak. An energy-efficient insulated steel core frame with an R-value of 16. Hidden fastening techniques provide a clean, mark-free exterior surface.

\*\* NOTE TO SPECIFIER \*\* Delete door styles and options not required.

* + - 1. Door Style: Swing.
         1. Window Pattern: Square.
         2. Window Pattern: Arched.
         3. Lite Quantity: 16.
         4. Lite Quantity: 12.
         5. Lite Quantity: 8.
         6. Lite Quantity: 6.
         7. Lite Quantity: 4.
      2. Door Style: Trifold.
         1. Window Pattern: Square.
         2. Window Pattern: Arched.
         3. Lite Quantity: 18.
         4. Lite Quantity: 12.
         5. Lite Quantity: 6.
      3. Door Style: Barn.
      4. Door Trim: Cross Buck (X-Buck).
      5. Door Trim: V-Buck.
      6. Door Trim: Z-Buck (A-Buck).
      7. Door Trim: Cross Rail.
      8. Construction: With Windows.
         1. Overlay Frame: Molded Composite Square Edge. Thickness: 3/4 inch (19 mm).
         2. Panels: Wood Grain Steel.
         3. Simulated Divided Lites.
         4. Glazing: 1/8 inch (3 mm) Double Strength Clear.
         5. Exterior Window Grill: Molded Composite.
         6. Insulation: Polystyrene Foam. Thickness: 1-3/4 inch (44 mm).
         7. Thermal break.
         8. Backing: Steel.
      9. Construction: Without Windows.
         1. Overlay Frame: Molded Composite Square Edge. Thickness: 3/4 inch (19 mm).
         2. Panels: Wood Grain Steel.
         3. Insulation: Polystyrene Foam. Thickness: 1-3/4 inch (44 mm).
         4. Thermal break.
         5. Backing: Steel.

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

* + - 1. Finish: Mahogany.
      2. Finish: Walnut.
      3. Finish: English Oak.
      4. Finish: Ash.

\*\* NOTE TO SPECIFIER \*\* Delete decorative hardware paragraph if not required or delete options not required. Custom door designs are available. Contact manufacturer for more information.

* + - 1. Decorative Hardware: Hand-forged and black powder-coated finish.
         1. Heavy-Duty: 1/4 inch (6 mm) thickness.
         2. Standard Duty: 3/16 inch (5 mm) thickness.
         3. Material: Steel.
         4. Material: Aluminum. For coastal environments.
         5. Strap Hinges: Tulip.
         6. Strap Hinges: Heart.
         7. Strap Hinges: Bean.
         8. Latches: Tulip.
         9. Latches: Heart.
         10. Latches: Bean.
         11. Pull Handle: Tulip.
         12. Pull Handle: Heart.
         13. Pull Handle: Bean.
         14. Clavos.
         15. Ring Pulls.
         16. Pull Handles.
         17. Door stops.
         18. Jambs.
    1. Rhapsody as manufactured by Artisan. Faux wood carriage house garage door, Blends the rich look of real wood with the practicality of high-quality urethane. Factory-finished exterior minimizes the need for frequent staining or painting. Lightweight composite facing eases strain on door hardware, springs, and operator systems, and two-sided insulated steel frames are strong and energy efficient. No exterior fasteners.
       1. Construction: With Windows.
          1. Steel frame.
          2. Insulation: Polystyrene Foam.
          3. Exterior Window Grill: Molded Composite.
          4. Glazing: 1/8 inch DSB.
          5. Window Stop: Molded Composite.
          6. Overlay Frame: Molded Composite.
       2. Construction: No Windows.
          1. Steel frame.
          2. Insulation: Polystyrene Foam.
          3. V-Groove Panel: Molded composite.
          4. Overlay Frame: Molded composite.
       3. Design Criteria:

\*\* NOTE TO SPECIFIER \*\* Delete door style options not required.

* + - * 1. Door Styles: Swing. Vertical V-Groove.
        2. Door Styles: Swing. Flat panels.
        3. Door Styles: Trifold. Vertical V-Groove.
        4. Door Styles: Trifold. Flat panels.
        5. Door Styles: Trifold. Raised Recessed panels.
        6. Door Styles: Double Swing. Vertical V-Groove.
        7. Door Styles: Double Trifold. Flat panels.
        8. Door Styles: Barn. Vertical V-Groove.
        9. Door Styles: Barn. Flat panels.
        10. Door Styles: Double Barn. Vertical V-Groove.

\*\* NOTE TO SPECIFIER \*\* Delete decorative hardware paragraph if not required or delete options not required. Custom door designs are available. Contact manufacturer for more information.

* + - 1. Decorative Hardware: Hand-forged and black powder-coated finish.
         1. Heavy-Duty: 1/4 inch (6 mm) thickness.
         2. Standard Duty: 3/16 inch (5 mm) thickness.
         3. Material: Steel.
         4. Material: Aluminum. For coastal environments.
         5. Strap Hinges: Tulip.
         6. Strap Hinges: Heart.
         7. Strap Hinges: Bean.
         8. Latches: Tulip.
         9. Latches: Heart.
         10. Latches: Bean.
         11. Pull Handle: Tulip.
         12. Pull Handle: Heart.
         13. Pull Handle: Bean.
         14. Clavos.
         15. Ring Pulls.
         16. Pull Handles.
         17. Door stops.
         18. Jambs.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. VINYL CARRIAGE GARAGE DOORS
     1. Prelude 2 as manufactured by Artisan. Affordable vinyl garage door simulates the look of traditional, carriage house-style garage doors, but it's actually made from easy-to-maintain cellular vinyl. That means it's naturally moisture-, weather-, insect-, and rot-resistant for an extended lifespan.

\*\* NOTE TO SPECIFIER \*\* Delete door style options not required.

* + - 1. Door Style: Swing.
      2. Door Style: Trifold.
      3. Door Style: Double doors. 12 ft (3658 mm) or wider.
      4. Construction Details:
         1. Overall door thickness of 1-7/8 inches (48 mm). R value of 7.8.
         2. Overall door thickness of 2-1/2 inches (64 mm). R value of 18.
         3. Low-maintenance cellular vinyl face on insulated steel frame.
         4. Steel frame and insulation.

\*\* NOTE TO SPECIFIER \*\* Delete design criteria options not required. Custom door sizes and designs are available. Contact the manufacturer for more information.

* + - 1. Design Criteria:
         1. Bright white interior door finish.
         2. Bottom astragal with weather stripping is an EPDM rubber seal mounted in an aluminum retainer.
         3. Glazing: Double-strength clear glass.
         4. Glazing: Tempered.
         5. Glazing: Insulated.
         6. Glazing: \_\_\_\_\_\_\_\_.
         7. Grid patterns use simulated divided lites.
         8. Window muntins are beveled 1 inch (25 mm) wide.
         9. Top Section: Arch. Solid.
         10. Top Section: Square. Solid.
         11. Top Section: Arch. With glazing.
         12. Top Section: Square. With glazing.
         13. Top Section: Custom Arch. With glazing.
         14. Top Section: Custom Arch. Solid.
         15. Panels: V-Groove.
         16. Panels: Herringbone V-Groove.
         17. Panels: Simulated raised.
         18. Trim Style: Cross bucks (X-buck).
         19. Trim Style: V-Bucks.
         20. Trim Style: Z-Bucks (A-Bucks).
         21. Trim Style: Cross rails.

\*\* NOTE TO SPECIFIER \*\* For dark paint colors with a LRV of 60 or less we recommend the Symphony or the Duet door Series.

* + - 1. Finish:
         1. Not Finished: Vinyl-faced doors leave our factory unfinished.
         2. Factory Finished: Light reflectance value: 60 or above.

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect.

\*\* NOTE TO SPECIFIER \*\* Delete decorative hardware paragraph if not required or delete options not required. Custom door designs are available. Contact manufacturer for more information.

* + - 1. Decorative Hardware: Hand-forged and black powder-coated finish.
         1. Heavy-Duty: 1/4 inch (6 mm) thickness.
         2. Standard Duty: 3/16 inch (5 mm) thickness.
         3. Material: Steel.
         4. Material: Aluminum. For coastal environments.
         5. Strap Hinges: Tulip.
         6. Strap Hinges: Heart.
         7. Strap Hinges: Bean.
         8. Latches: Tulip.
         9. Latches: Heart.
         10. Latches: Bean.
         11. Pull Handle: Tulip.
         12. Pull Handle: Heart.
         13. Pull Handle: Bean.
         14. Clavos.
         15. Ring Pulls.
         16. Pull Handles.
         17. Door stops.
         18. Jambs.
    1. Symphony as manufactured by Artisan. A vinyl carriage garage door. Combines appearance of historic wood carriage doors with cellular vinyl. Insulated steel frame for a sophisticated look and easy maintenance that's perfect for any homeowner. No visible fasteners in doors.
       1. Door Design: Swing.
       2. Door Design: Bifold.
       3. Door Design: Trifold.
       4. Construction Details:
          1. Low-maintenance cellular vinyl face on insulated steel frame.

Frame: 26 ga steel-sandwich insulated frame with baked on enamel finish.

* + - * 1. Overall door thickness of ???? inches. R value: 7.8.

Insulation: Polystyrene Foam. Thickness: 1-3/8 inch (9.5 mm).

* + - * 1. Overall door thickness of ???? inches. R value: 18.

Insulation: Polystyrene Foam. Thickness: 2 inch (51 mm).

* + - * 1. Thermally broken.
        2. Cellular Vinyl Trim rails.
        3. Panels: 1/4 inch (6 mm) cellular vinyl.
      1. Overlay Face Boards: Mechanically fastened together using hidden pocket screw holes for weather tight joints, then are bonded to the steel core frame.
      2. Square kerf accentuates the look of a swing, trifold or bifold door.
      3. Simulated Divided Lites: Feature an exterior grille with profiled edge milling for a rich, architectural detail.
      4. Design Criteria:
         1. Trim Board Face: Smooth cellular vinyl face.
         2. Trim Board: Cross bucks (X-bucks).
         3. Trim Board: V-bucks.
         4. Trim Board: Z-bucks (A-bucks).
         5. Trim Board: Cross rails.
         6. Trim Profiles: Square, beveled or ovalo.
         7. Trim Profiles: Beveled.
         8. Trim Profiles: Ovalo.
         9. Panel Styles: Flat.
         10. Panel Styles: Beaded tongue and groove. 3/8 inch (9.5 mm) bead.
         11. Panel Styles: Raised.
         12. Panel Styles: V-Groove. 1/4 inch (6 mm) wide groove.
      5. Glazing: Clear, double strength glass.
      6. Bottom Astragal: L-shaped aluminum retainer with a rubber seal.
      7. Finish: Optional Easy Care. Designer White and custom lighter colors. (LRV 60 and above).

\*\* NOTE TO SPECIFIER \*\* Delete factory finish if not required or delete finish options and color options not required. Color to be Designer White and custom lighter colors. (LRV 60 and above)

* + - 1. Factory Finish:
         1. Easy Care: 2 coats of primer, 2 coats of finish paint color.

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect from Manufacturer's standard range.

\*\* NOTE TO SPECIFIER \*\* Delete decorative hardware paragraph if not required or delete options not required. Custom door designs are available. Contact manufacturer for more information.

* + - 1. Decorative Hardware: Hand-forged and black powder-coated finish.
         1. Heavy-Duty: 1/4 inch (6 mm) thickness.
         2. Standard Duty: 3/16 inch (5 mm) thickness.
         3. Material: Steel.
         4. Material: Aluminum. For coastal environments.
         5. Strap Hinges: Tulip.
         6. Strap Hinges: Heart.
         7. Strap Hinges: Bean.
         8. Latches: Tulip.
         9. Latches: Heart.
         10. Latches: Bean.
         11. Pull Handle: Tulip.
         12. Pull Handle: Heart.
         13. Pull Handle: Bean.
         14. Clavos.
         15. Ring Pulls.
         16. Pull Handles.
         17. Door stops.
         18. Jambs.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. ALUMINUM AND GLASS GARAGE DOORS
     1. Panorama as manufactured by Artisan. Aluminum and glass garage door, Contemporary look. Modern glass garage door with styles, from mid-century modern ranchers to classic farmhouses.

\*\* NOTE TO SPECIFIER \*\* Delete door style not required.

* + - 1. Door Style: Classic glass.
      2. Door Style: French doors.
      3. Door Style: Open Views.
      4. Construction Details:
         1. Aluminum Frame: 1-3/4 inches (44 mm) . Thickness varies based on grille patterns.

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

Finish: Clear anodized.

Finish: Baked on white.

Finish: Medium bronze anodized.

Finish: Powder coated.

Color: \_\_\_\_\_\_\_\_.

Color: Determined by Architect from Manufacturer's range.

* + - * 1. Powder-coated tracks and track hardware.
        2. Reinforced Fins: On each section on the garage side, help stiffen door when it opens.
        3. Bottom Rails, Top Rails, and End Stiles: 3-3/8 inch (9.5 mm).
        4. Open View Model: Heavy 5-3/8 inch (9.5 mm) bottom and top rails.
        5. Open View Model: Heavy 7-3/8 inch (9.5 mm) bottom and top rails.
      1. Windows and Lites:

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

* + - * 1. Glazing: Clear tempered glass in windows.
        2. Glazing: Polycarbonate glass. Colors including gray tint, bronze tint, obscure, gray light one-quarter, and white laminated.
        3. Glazing: Decorative glass.
        4. Classic Model: Available with two, three, or four windows divided by mullions.
        5. Open View Model: Three horizontal panels without mullions (visible seams).
        6. French Door Model: Two large sections that can be three or four lites wide. Invisible section break hides joints.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. SWING AND SLIDE DOORS
     1. True Swing & Slide Doors as manufactured by Artisan. Handcrafted products swing open and shut on hinges or roll open and closed in a side-to-side track like traditional barn doors.
        1. Door Style: Swing.
        2. Door Style: Sliding.
        3. Door Material: Wood. Constructed from thin layers (plies) of wood.
           1. Species: \_\_\_\_\_\_\_\_.
        4. Door Material: Wood composite. A mixture of wood fiber, plastic, and binding agent (glue) to create a long-sting, superior paint-grade door.
           1. Composite Brand: Extira.
           2. Composite Brand: Tricoya.
        5. Door Material: Vinyl. Cellular PVC. Can be milled and shaped like real wood, but it requires far less maintenance.
        6. Top Section:
           1. Glazing: Insulated.
           2. Glazing: Tempered.
           3. Glazing: Specialty.

Glass: Clear.

Glass: Glacier.

Glass: Hammered.

Glass: Seeded.

Glass: Frosted.

* + - * 1. True Divided Lites with individual glass panes and an integral sash.
        2. Arched, standard radius with simulated divided lites.
        3. Arched, standard radius with true divided lites.
        4. Arched, standard radius solid top (no glass).
        5. Arch, custom radius with simulated divided lites or solid top (no glass).
        6. Arch, custom radius with true divided lites or solid top (no glass).
        7. Arch, custom radius with solid top (no glass).
        8. Square with simulated divided lites.
        9. Square with true divided lites.
        10. Square with solid top (no glass).
      1. Wood Panels:
         1. Flat: Tricoya paint-grade.
         2. Flat: Solid wood.
         3. Herringbone.
         4. Tongue and Groove: Flush.
         5. Tongue and Groove: V-groove.
         6. Tongue and Groove: Beaded.
         7. Tongue and Groove: Alternating width.
         8. Tongue and Groove: Tricoya paint-grade V-groove.
         9. Raised Panels: Extira paint-grade raised panels.
         10. Raised Panels: Solid wood raised panels, 12 inch (305 mm) wide or less.
         11. Raised Panels: Solid wood raised flush tongue and groove panels, 12 inch (305 mm) wide or more.
         12. Matching interior face of door.
      2. Low-Maintenance Material Panels:
         1. Vinyl: Flat.
         2. Vinyl: Beaded tongue and groove panels.
         3. Vinyl: V-groove panels.
         4. Vinyl: Raised panels.
         5. Faux Wood (Urethane): Flat panels.
         6. Faux Wood (Urethane): V-groove, tongue, and groove panels.
         7. Faux Wood (Urethane): Raised recessed panels.
      3. Trim: Cross bucks (X-bucks).
         1. Trim: V-bucks.
         2. Trim: Z-bucks (A-bucks).
         3. Trim: Cross rails.
         4. Trim: Sprung diagonal boards.
         5. Trim: Chamfered edges (solid wood doors only).

\*\* NOTE TO SPECIFIER \*\* Delete factory finish if not required or delete finish options and color options not required.

* + - 1. Factory Finish:
         1. Prime only - 2 coats of primer.
         2. Artisan Standard Paint: 2 coats of primer, 2 coats of finish paint color.

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect from Manufacturer's standard range.

* + - * 1. Custom Paint: 2 coats of primer, 2 coats of custom paint.

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect.

\*\* NOTE TO SPECIFIER \*\* Endura® stain finish, is only for doors with upgraded wood species face frames and panels. These include Western red cedar, Spanish cedar, Sapele mahogany, Red grandis, and most custom wood species. Delete if not required.

* + - * 1. Endura Stain Finish:

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect from Manufacturer's standard range.

\*\* NOTE TO SPECIFIER \*\* Sansin Enviro Stain's nano technology process atomizes high quality pigments into tiny particles that combine with protective oils and resins on a molecular level to create a vibrant and long lasting finish. Comes with a 3-year Factory Warranty. An added top coat during the first year extends the finish warranty to 7 years. Delete if not required. Delete top coat is not required.

* + - * 1. Sansin Enviro Stain:

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect from Manufacturer's standard range.

Top coat.

\*\* NOTE TO SPECIFIER \*\* Faux Stain Paint is only available for red grandis face frame and panel options. Delete if not required.

* + - * 1. Faux Stain Paint

Color: \_\_\_\_\_\_\_\_.

Color: Determined by the Architect from Manufacturer's standard range.

* + - 1. Field Finish: Door is delivered unfinished. All field finishing must be done within 10 days of door delivery. All door sections must be finish sanded before applying paint or stain. Ensure all edges are finished prior to installation to maintain the warranty.

\*\* NOTE TO SPECIFIER \*\* Delete staining or painting option not required.

* + - * 1. Staining: Follow manufacturer's directions for applying the exterior grade stain product you have selected.
        2. Painting: Use a high-quality, exterior-grade latex paint product and follow the manufacturer's application instructions.

Apply 2 coats of primer to all 6 sides of each door section.

Apply 2 coats of your finish color.

Dark paint colors with a light reflective value below 60 can create excessive solar heat gain and will void the product warranty.

* + - * 1. Doors must be finished prior to installation to maintain the warranty.
        2. Primer and Paint: \_\_\_\_\_\_\_\_.
        3. Primer and Paint: As detailed on the Drawings.
        4. Color: \_\_\_\_\_\_\_\_.
        5. Color: Determined by the Architect from Manufacturer's standard range.

\*\* NOTE TO SPECIFIER \*\* Delete decorative hardware paragraph if not required or delete options not required. Custom door designs are available. Contact manufacturer for more information.

* + - 1. Decorative Hardware: Hand-forged and black powder-coated finish.
         1. Heavy-Duty: 1/4 inch (6 mm) thickness.
         2. Standard Duty: 3/16 inch (5 mm) thickness.
         3. Material: Steel.
         4. Material: Aluminum. For coastal environments.
         5. Strap Hinges: Tulip.
         6. Strap Hinges: Heart.
         7. Strap Hinges: Bean.
         8. Latches: Tulip.
         9. Latches: Heart.
         10. Latches: Bean.
         11. Pull Handle: Tulip.
         12. Pull Handle: Heart.
         13. Pull Handle: Bean.
         14. Clavos.
         15. Ring Pulls.
         16. Pull Handles.
         17. Door stops.
         18. Jambs.

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.

\*\* NOTE TO SPECIFIER \*\* Include if manufacturer provides field quality control with onsite personnel for instruction or supervision of product installation, application, erection, or construction. Delete if not required.

* + 1. Manufacturer's Services: Coordinate manufacturer's services in accordance with appropriate sections in Division 01.
  1. 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