PART 1 GENERAL

1.1 SCOPE – In accordance with local and national building codes, the doors are engineered for usage in one & two story dwellings and light commercial applications.

1.2 SECTION INCLUDES

A. Non Fire Rated Fiberglass doors and frames.
B. Fire Rated Fiberglass doors and frames.

1.2 RELATED SECTIONS

A. Division 4 Masonry
B. Division 6 Carpentry
C. Division 8 Glass and Glazing
D. Division 8 Section Door Hardware
E. Division 9 Section Painting/Staining
F. Division 9 Wall Board Assemblies

1.3 REFERENCES

E. Warnock Hersey, Inc. (WHI) Directory of Listed Products.

1.4 SUBMITTALS

A. Submit in accordance with Conditions or the Contract under provisions of Division 1-Submittals Procedures Section
B. Product Data: Manufacturer's data sheets and specifications.
C. Shop Drawings: Include schedule identifying each unit, with door marks or numbers referencing drawings. Show layout, profiles, product components and anchorages. Include schedule identification for each door unit referencing drawings.
D. Samples: 18 by 24 inches (150 by 150 mm) cut away sample door with provisions for lockset, hinge and corner section of frame. Coordinate with Section 9 as required.
for paint/stain finishes.

D. Certificates: Product certificates signed by the manufacturer certifying material compliance specified performance characteristics and criteria, and physical requirements.

E. Installation Instructions: Provide manufacturer's printed installation instructions.

F. LEED Submittals: Provide documentation if applicable of how the requirements for credit will be met:
   1. List of proposed materials with recycled content. Indicate post-consumer recycled content and pre-consumer recycled content for each product having recycled content.
   2. Product data and certification letter indicating percentages by weight of post-consumer and pre-consumer recycled content for products having recycled content.
   3. List of proposed materials demonstrating that each material was extracted, harvested or recovered, as well as manufactured within 500 miles of the project site.

1.5 QUALITY ASSURANCE

A. Installer should be qualified to perform the work in this section and be able to provide written certification of work history and qualifications by requested.

B. Provide Warnock Hersey labels with appropriate fire and or smoke resistance ratings for the opening as indicated.

C. Create Project Site Mock Up for Architect/Owner Acceptance in accordance with Conditions or the Contract under provisions of Division 1-Submittals Procedures

1.6 DELIVERY, STORAGE, AND HANDLING

A. Comply with manufacturer's ordering and lead time procedures to ensure timely delivery to avoid construction delays

B. Deliver doors and frames palletized and wrapped to provide protection while in transit.

C. Store all materials under cover. Avoid use of non-vented plastic or canvas shelters to prevent forming of humidity chambers that cause rust.

D. If cardboard wrapping becomes wet, remove cartons immediately.

E. Provide 1/4 inch (6 mm) spacing between doors to provide air circulation.

1.7 WARRANTY

A. Project Warranty: Comply with conditions of the contract for project warranty provisions.

B. Manufacturers Warranty Provide current warranty for owner records and acceptance’s

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: ProVia: 2150 State Route 39, Sugarcreek, OH 44681 Tel: 800-669-4711; Tel: 330.852.4711; Email: request info (info@proviadoor.com)
B. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 MATERIALS

A. Door Construction General: All doors shall be custom and individually manufactured by ProVia Door. The panels shall be laminated, using a high-performance adhesive to thermally broken, stiles and rails forming a perimeter to reduce transmission and allow for field preparation of hardware. The bottom edge shall be manufactured from a moisture-resistant and decay-resistant composite.

2.3 DOORS

A. Fiberglass Doors:

1. High Definition Wood grain Face: Authentic Wood Grain made from nickel vapor deposition technology.
   a. Dovetailed and Glued Stiles and Rails
   b. Door Edges of Cherry, Oak or Mahogany to match finish.
   c. Composite Bottom Rails
   d. Polyurethane Core: Foamed In Place polyurethane with a 2.0 pcf minimum density and a “U” value as low as .17.
   e. Door Style: (Select Applicable Door Style and Add to Door Schedule)

<table>
<thead>
<tr>
<th>Door Styles</th>
<th>Sidelight Styles</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 003</td>
<td>1. 130</td>
</tr>
<tr>
<td>2. 006</td>
<td>2. 140</td>
</tr>
<tr>
<td>3. 430</td>
<td>3. 160</td>
</tr>
<tr>
<td>4. 150</td>
<td></td>
</tr>
<tr>
<td>5. 440</td>
<td></td>
</tr>
<tr>
<td>6. 460</td>
<td></td>
</tr>
</tbody>
</table>

B. GLASS SELECTION

1. Glenmore Series: Reflective Bronze Beveled Glass
   Door: Style: Sidelight: 
2. St. Jane Series: Handcrafted Beveled Glass with Brass, Patina, or Zinc Caming
   Door: Style: Sidelight: 
3. Crystal Series: Handcrafted Clear Beveled and clear Baroque Glass
   Door: Style: Sidelight: 
4. Santa Fe Series: Southwestern Arts and Craft Geographic Symmetry
   Door: Style: Sidelight: 
5. Solitaire Series: Hand cut Clear Beveled Glass with Gluechips in Zinc Caming
   Door: Style: Sidelight: 
   Door: Style: Sidelight: 
7. Radiant Hues Series: Clear & Gray Beveled Baroque with Zinc Caming
   Door: Style: Sidelight: 
8. Classic Series: Handcrafted Clear Beveled Glass with Gluechips and Brass Caming
   Door: Style: Sidelight: 
9. Lehigh Series: Handcrafted Clear Beveled with Patina Caming
10. Emerald Series: Handcrafted Clear Beveled Glass with Brass or Zinc Caming
   Door:_____________Style:__________________Sidelight:__________

11. Beveled Series: Hand cut Clear Beveled Glass with Brass Caming
    Door:_____________Style:__________________Sidelight:__________

12. Diamond Series: Frosted Texture with Gluechip Glass
    Door:_____________Style:__________________Sidelight:__________

13. Tuscany Series: Laminated Security Glass
    Door :_____________Style:__________________Sidelight:__________

14. Twilight Series: Frosted Glass with Decorative Silk Screen Art
    Door:_____________Style:__________________Sidelight:__________

C. INSPIRATIONS ART GLASS
   1. Door Style: _______________________________
   2. Inspirations Art: _________________________
   3. Glass: _________________________________
   4. Color: _________________________________

D. COMFORTECH INSULATED GLASS
   “R” VALUE:__________________DESIGNATION:_____________________

2.4 FRAMES CONSTRUCTION:
   A. Rot-resistant Wood Frame and Brickmold treated with Pineguard with Lifetime Warranty
   B. Rot-resistant Wood Frame and Brickmold treated with Pineguard with Lifetime Warranty with PVC Aluminum Frame Cladding
   C. Rot-resistant Wood Frame and Brickmold treated with Pineguard with Lifetime Warranty with Steel L Frame (Signet Only)

2.5 FABRICATION
   A. Coordinate with hardware and frame manufacturers to assure that doors are prepared to receive hinges and hardware. Provide copies of approved frame and hardware schedule as listed on door schedule.

2.6 FINISHING
   A. Factory Paint: Clean and prep surfaces of fiberglass doors. Factory applied two component catalyzed polyurethane, heat cured.
   B. Factory Stain: Also available utilizing exclusive hand staining finish system. Color to be selected from manufacturer’s standard colors. Top and bottom of the doors to be sealed. Clear coated with two coats of a two component catalyzed polyurethane containing UV inhibitors and heat cured.
   C. Twelve month finish warranty.

2.7 EXAMINATION
   A. Before beginning installation, verify that substrate conditions previously installed under other sections are acceptable for installation of doors and frames in
accordance with manufacturer's installation instructions and technical bulletins.

B. Verify door frame openings are installed plumb, true, and level.

C. Select fasteners of adequate type, number, and quality to perform intended functions.

2.8 INSTALLATION

A. Install fiberglass doors and frames in accordance with manufacturers published guidelines.

2.9 CLEARANCES

A. Clearance between the door and frame head and jambs for both single swing and pairs of doors shall be 1/8 inch (3.2 mm).

B. Clearance between the meeting edges of pairs of doors shall be 3/16 inch plus or minus 1/16 inch (5 mm plus or minus 1.6 mm). For fire rated applications, the clearance between the meeting edges of pairs of doors shall be 1/8 inch plus or minus 1/16 inch (3.2 mm plus or minus 1.6 mm).

C. Bottom clearance shall be 3/4 inch (19 mm).

D. The clearance between the face of the door and door stop shall be 1/16 inch to 1/8 inch (1.6 mm plus or minus 3.2 mm).

E. All clearances shall be, unless otherwise specified, subject to a tolerance of plus or minus 1/32 inch (.4 mm).

2.10 ADJUSTING AND CLEANING

A. Adjust doors for free swing without binding.

B. Adjust hinge sets, locksets, and other hardware. Lubricate using a suitable lubricant compatible with door and frame coatings.

C. Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions before owner's acceptance.

D. Remove from project site and legally dispose of construction debris associated with this work.

2.11 PROTECTION

A. Protect installed products and finished surfaces from damage during construction.

2.12 SCHEDULES: Refer to Door Schedules on drawings.

END OF SECTION