SECTION 08 10 00

ENTRY DOORS

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\*\* NOTE TO SPECIFIER \*\* Therma-Tru Corp.; fiberglass and steel entry doors.
This section is based on the products of Therma-Tru Corp., which is located at:
1750 Indianwood Circle
Maumee, OH 43537
Toll Free: 800-346-9141
Phone: 260-868-5811
Fax: 800-393-3533
Email: rclark@thermatru.com
Web: [www.thermatru.com](http://www.thermatru.com)
[ [Click Here](http://www.arcat.com/company/41444) ] for additional information.
We are the nation's leading manufacturer of fiberglass and steel exterior door systems, and we are the most preferred brand of entry doors among building professionals. Our attention to detail in styling, including our glass innovations, have brought improved curb appeal and value to our customers' homes, and the security and durability features built into every Therma-Tru door brings home comfort and security.
As we've expanded our product offerings, we've also joined additional communities. Today our corporate headquarters is just outside of Toledo in Maumee, Ohio, and our new Innovation Center is in Monclova, Ohio. We have two manufacturing facilities: One in Butler, Indiana, and one in Matamoros, Mexico. Our vast selection of products is available throughout North America.
We are committed to advancing the industry with quality products that hinge on performance and open the door to style and comfort.

1. GENERAL
	1. SECTION INCLUDES

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

* + 1. Entry Doors of the Following Types:
			1. Fiberglass Entry Doors.
			2. Insulated Steel Entry Doors.
			3. Frames.
			4. Hardware.
			5. Installation Accessories.
			6. Finishes.
	1. RELATED SECTIONS

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

* + 1. Section 06 40 00 - Architectural Woodwork.
		2. Section 07 27 00 - Air Barriers.
		3. Section 07 91 23 - Backer Rods.
		4. Section 08 70 00 - Hardware.
		5. Section 08 83 13 - Mirrored Glass Glazing.
		6. Section 09 90 00 - Painting and Coating.
	1. REFERENCES

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

* + 1. American National Standards Institute (ANSI):
			1. ANSI/BHMA A156.15-2014 - Hardware preparation in Steel Doors and Steel Frames.
			2. ANSI/SDI Standard A224.1 - Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors & Frames.
		2. ASTM International (ASTM):
			1. ASTM A653 / A653-M - Standard Specification for Steel Sheet Zinc Coated (Galvanized) of Zinc-Iron Alloy Coated (Galvanealed) by the Hot Dip Process.
			2. ASTM A924 / 924-M-14 - Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot Dip Process.
			3. ASTM A1008 / A1008M-13 - Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High Strength Low Alloy, High Strength Low Alloy with Improved Formability, Solution Hardened, and Bake Hardenable.
			4. ASTM B117 - Standard Practice for Operating Salt Spray (Fog) Apparatus.
			5. ASTM D610 - Standard Practice for Evaluating Degree of Rusting on Painted Steel Surfaces.
			6. ASTM D714 - Standard Test Method for Evaluating Degree of Blistering of Paints.
			7. ASTM D1654 - Standard Test Method for Evaluation of Painted or Coated Specimens Subject to a Corrosive Environment.
			8. ASTM D1735 - Standard Practice for Testing Water Resistance of Coatings Using Water Fog Apparatus
			9. ASTM D3363 - Standard Test Method for Film Hardness by Pencil Test
			10. ASTM E331 - Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference.
			11. ASTM E413 - Classification for Rating Sound Insulation (STC).
			12. ASTM E547 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference.
			13. ASTM E1332 - Standard Classification for Determination of Outdoor-Indoor Transmission Class.
		3. Canadian Standard (CAN):
			1. CAN4-S104 - Standard Method for Fire Tests of Door Assemblies.
		4. Environmental Protection Agency and Department of Energy (EPA):
			1. Energy Star Program Requirements Product Specification for Residential Windows, Doors, and Skylights.
		5. Housing and Urban Development (HUD):
			1. HUD UM89 - HUD Building Product Standards and Certification Program for Exterior Insulated Steel Door Systems.
		6. Intertek Testing Services, Warnock Hersey:
			1. WHI Directory of Positive Pressure Rated Door assemblies and components.
		7. National Fenestration Rating Council (NFRC):
			1. NFRC 400 - Procedure for Determining Fenestration Product Air Leakage.
		8. National Fire Protection Association (NFPA):
			1. NFPA 252 - Standard Methods of Fire Tests of Door Assemblies.
		9. Underwriters Laboratory (UL):
			1. UL 10C - Standard for Positive Pressure Fire Tests of Door Assemblies.
	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.
			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 dimensions, construction, component connections, anchorage methods and locations, accessories, hardware locations, and installation details.
	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.

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

* + - 1. Installer shall be certified by Manufacturer.
		1. 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 for fiberglass door product and genuine manufacturer components, including rot-resistant frames, mullions, and brickmould sourced from manufacturer (excluding primed pine door frames and oak door frames, and non-rot resistant mullions and brickmould) used in commercial and multi-residential projects will be free from material and workmanship defects for a period of three years subject to certain limitations and restrictions.
		2. Finish Limited Warranty Rider providing coverage to the Warranty Holder for non-conformities in select stain and paint finishes.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: Therma-Tru Corp., which is located at: 1750 Indian Wood Circle; Maumee, OH 43537; ASD Toll Free: 800-346-9141; Phone: 260-868-5811; Fax: 800-393-3533; Email: rclark@thermatru.com; Web: www.thermatru.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. FIBERGLASS ENTRY DOORS
		1. Performance Requirements:
			1. Standards Compliance: Energy Star Rated.

\*\* NOTE TO SPECIFIER \*\* Indicate performance requirements on drawings or fill in values required. Performance ratings vary by product, configuration, and size. Current information can be found at www.thermatru.com. Delete options not required.

* + - 1. Structural Design Pressure Rating: As indicated on Drawings.
			2. Structural Design Pressure Rating: \_\_\_\_\_.
			3. Impact Design Pressure Rating: As indicated on Drawings.
			4. Impact Design Pressure Rating: \_\_\_\_\_.
			5. Door Unit Air Leakage, NFRC 400 at 1.57 psf (75 Pa): Maximum 0.50 cfm (14 L/min) per square foot (0.09 square meter) of frame.
			6. Door Unit Water Penetration, ASTM E331 or ASTM E547: No water penetration through door unit with water applied at rate of 5 gallons (19 Liters) per hour per square foot (0.09 square meters) at 0 psf (0 Pa).
			7. Minimum STC Rating, ASTM E413: As indicated on Drawings.
			8. Minimum STC Rating, ASTM E413: \_\_\_\_\_.
			9. Positive Pressure Fire Door Rating, CAN4 S104, NFPA 252 and UL 10C: As indicated on Drawings.
			10. Positive Pressure Fire Door Rating, CAN4 S104, NFPA 252 and UL 10C: \_\_\_\_\_ minutes.
			11. Maximum U-Value: As indicated on Drawings.
			12. Maximum U-Value: \_\_\_\_\_.
			13. Maximum SHGC: As indicated on Drawings.
			14. Maximum SHGC: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete basis of design options not required.

* + 1. Basis of Design: Smooth-Star; as manufactured by Therma-Tru Corp.
			1. Construction: Proprietary fiberglass-reinforced thermoset composite:
				1. Thickness: 1/16-inch (1.6 mm) minimum.
				2. Surface: Lightly textured.
				3. Door Edges: Machinable kiln-dried pine, primed, lock edge reinforced with engineered lumber core, lockset area reinforced with solid blocking for hardware backup.
				4. Door Edges: Moisture and decay resistant composite.
				5. Door Bottom Edge: Moisture- and decay-resistant composite.
				6. Core: Foamed-in-place polyurethane, density 1.9 pcf (30 kg/cu.m.) minimum

\*\* NOTE TO SPECIFIER \*\* Delete style, size, and sidelite options not required.

* + - * 1. Style: Smooth-Star, Style Number as indicated on Drawings.

Size: As indicated on Drawings.

Sidelite: Style Number as indicated on Drawings.

* + - * 1. Style: Smooth-Star, Style Number \_\_\_\_\_.

Size (W x H): \_\_\_\_ x \_\_\_\_ inches (\_\_\_\_ x \_\_\_\_ mm).

Sidelite: Style Number \_\_\_\_\_.

* + - * 1. Style: Pulse, Style Number as indicated on Drawings.

Size: As indicated on Drawings.

Sidelite: Style Number as indicated on Drawings.

* + - * 1. Style: Pulse, Style Number \_\_\_\_\_.

Size (W x H): \_\_\_\_ x \_\_\_\_ inches (\_\_\_\_ x \_\_\_\_ mm).

Sidelite: Style Number \_\_\_\_\_.

* + 1. Basis of Design: Fiber-Classic; as manufactured by Therma-Tru Corp.
			1. Construction: Proprietary fiberglass-reinforced thermoset composite:
				1. Thickness: 1/16-inch (1.6 mm) minimum.
				2. Surface: Wood-grained in natural hardwood patterns, stainable and paintable.
				3. Door Edges: Machinable kiln-dried pine, primed, lock edge reinforced with engineered lumber core, lockset area reinforced with solid blocking for hardware backup.
				4. Door Edges: Moisture and Decay Resistant Composite.
				5. Door Bottom Edge: Moisture- and decay-resistant composite.
				6. Core: Foamed-in-place polyurethane, density 1.9 pcf (30 kg/cu.m.) minimum

\*\* NOTE TO SPECIFIER \*\* Delete style, size, and sidelite options not required.

* + - * 1. Style: Mahogany Collection, Style Number as indicated on Drawings.

Size: As indicated on Drawings.

Sidelite: Style Number as indicated on Drawings.

* + - * 1. Style: Mahogany Collection, Style Number \_\_\_\_\_.

Size (W x H): \_\_\_\_ x \_\_\_\_ inches (\_\_\_\_ x \_\_\_\_ mm).

Sidelite: Style Number \_\_\_\_\_.

* + - * 1. Style: Oak Collection, Style Number as indicated on Drawings.

Size: As indicated on Drawings.

Sidelite: Style Number as indicated on Drawings.

* + - * 1. Style: Oak Collection, Style Number \_\_\_\_\_.

Size (W x H): \_\_\_\_ x \_\_\_\_ inches (\_\_\_\_ x \_\_\_\_ mm).

Sidelite: Style Number \_\_\_\_\_.

* + - * 1. Style: Pulse Collection, Style Number as indicated on Drawings.

Size: As indicated on Drawings.

Sidelite: Style Number as indicated on Drawings.

* + - * 1. Style: Pulse Collection, Style Number \_\_\_\_\_.

Size (W x H): \_\_\_\_ x \_\_\_\_ inches (\_\_\_\_ x \_\_\_\_ mm).

Sidelite: Style Number \_\_\_\_\_.

* + 1. Basis of Design: Classic-Craft; as manufactured by Therma-Tru Corp.
			1. Construction: Proprietary fiberglass-reinforced thermoset composite:
				1. Thickness: 3/32-inch (2.4 mm) minimum.

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

* + - * 1. Surface: AccuGrain textured to duplicate hand-crafted hardwood master.
				2. Surface: Smooth.
				3. Door Edges: Machinable kiln-dried hardwood, flush and square with door faces, lock edge reinforced with full-length integrated 3-1/2-inch (89 mm) wide engineered lumber core.
				4. Door Edges: Moisture and Decay Resistant Composite.
				5. Door Bottom Edge: Moisture- and decay-resistant composite.
				6. Core: Foamed-in-place polyurethane, density 1.9 pcf (30 kg/cu.m.) minimum

\*\* NOTE TO SPECIFIER \*\* Delete style, size, and sidelite options not required.

* + - * 1. Style: Artissa Collection, Style Number as indicated on Drawings.

Size: As indicated on Drawings.

Sidelite: Style Number as indicated on Drawings.

* + - * 1. Style: Artissa Collection, Style Number \_\_\_\_\_.

Size (W x H): \_\_\_\_ x \_\_\_\_ inches (\_\_\_\_ x \_\_\_\_ mm).

Sidelite: Style Number \_\_\_\_\_.

* + - * 1. Style: Founders Collection, Style Number as indicated on Drawings.

Size: As indicated on Drawings.

Sidelite: Style Number as indicated on Drawings.

* + - * 1. Style: Founders Collection, Style Number \_\_\_\_\_.

Size (W x H): \_\_\_\_ x \_\_\_\_ inches (\_\_\_\_ x \_\_\_\_ mm).

Sidelite: Style Number \_\_\_\_\_.

* + - * 1. Style: Visionary Collection, Style Number as indicated on Drawings.

Size: As indicated on Drawings.

Sidelite: Style Number as indicated on Drawings.

* + - * 1. Style: Visionary Collection, Style Number \_\_\_\_\_.

Size (W x H): \_\_\_\_ x \_\_\_\_ inches (\_\_\_\_ x \_\_\_\_ mm).

Sidelite: Style Number \_\_\_\_\_.

* + 1. Basis of Design: 20 Min Fire Door; as manufactured by Therma-Tru Corp.
			1. Construction: Proprietary fiberglass-reinforced thermoset composite:
				1. Thickness: 1/16-inch (1.6 mm) minimum.
				2. Surface: Wood-grained in natural hardwood patterns, stainable and paintable.
				3. Door Edges: Machinable kiln-dried pine, primed, lock edge reinforced with engineered lumber core, lockset area reinforced with solid blocking for hardware backup.
				4. Door Bottom Edge: Moisture- and decay-resistant composite.
				5. Core: Foam based proprietary 20-minute core.

\*\* NOTE TO SPECIFIER \*\* Delete style, size, and sidelite options not required.

* + - * 1. Style: Smooth-Star, Style Number as indicated on Drawings.

Size: As indicated on Drawings.

* + - * 1. Style: Smooth-Star, Style Number \_\_\_\_\_.

Size (W x H): \_\_\_\_ x \_\_\_\_ inches (\_\_\_\_ x \_\_\_\_ mm).

* + - * 1. Style: Mahogany Collection, Style Number as indicated on Drawings.

Size: As indicated on Drawings.

* + - * 1. Style: Mahogany Collection, Style Number \_\_\_\_\_.

Size (W x H): \_\_\_\_ x \_\_\_\_ inches (\_\_\_\_ x \_\_\_\_ mm).

* + - * 1. Style: Oak Collection, Style Number as indicated on Drawings.

Size: As indicated on Drawings.

* + - * 1. Style: Oak Collection, Style Number \_\_\_\_\_.

Size (W x H): \_\_\_\_ x \_\_\_\_ inches (\_\_\_\_ x \_\_\_\_ mm).

* + 1. Sills:

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

* + - 1. Inswing: Composite adjustable.
			2. Inswing: Hardwood adjustable.
			3. Inswing: Basic fixed.
			4. Inswing: Basic composite adjustable.
			5. Outswing: Composite outswing.
			6. Outswing: Aluminum with thermal break.
			7. Outswing: Coastal.
			8. Other: Public access sill.
			9. Finish: Mill.
			10. Finish: Bronze.
		1. Factory Glazed:

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

* + - 1. Type: Double-pane.
			2. Type: Triple-pane.
			3. Type: Flush glaze.
			4. Type: Decorative glazing designated by door model number.
			5. Type: Specialty glazing designated by door model number.
			6. Type: Privacy glass, Geometric.
			7. Type: Privacy glass, Chord.
			8. Type: Privacy glass, Reed.
			9. Type: Privacy glass, Rain.
			10. Type: Privacy glass, Chinchilla.
			11. Type: Privacy glass, Granite.
			12. Type: Privacy glass, Satin Etch.
	1. INSULATED STEEL ENTRY DOORS
		1. Performance Requirements:
			1. Standards Compliance: Energy Star Rated.

\*\* NOTE TO SPECIFIER \*\* Indicate performance requirements on drawings or fill in values required. Performance ratings vary by product, configuration, and size. Current information can be found at www.thermatru.com. Delete options not required.

* + - 1. Structural Design Pressure Rating: As indicated on Drawings.
			2. Structural Design Pressure Rating: \_\_\_\_\_.
			3. Impact Design Pressure Rating: As indicated on Drawings.
			4. Impact Design Pressure Rating: \_\_\_\_\_.
			5. Door Unit Air Leakage, NFRC 400 at 1.57 psf (75 Pa): Maximum 0.50 cfm (14 L/min) per square foot (0.09 square meter) of frame.
			6. Door Unit Water Penetration, ASTM E331 or ASTM E547: No water penetration through door unit with water applied at rate of 5 gallons (19 Liters) per hour per square foot (0.09 square meters) at 0 psf (0 Pa).
			7. Minimum STC Rating, ASTM E413 or OITC Rating, ASTM E1332: As indicated on Drawings.
			8. Minimum STC Rating, ASTM E413 or OITC Rating, ASTM E1332: \_\_\_\_\_.
			9. Positive Pressure Fire Door Rating, NFPA 252 and UL 10C: As indicated on Drawings.
			10. Positive Pressure Fire Door Rating, NFPA 252 and UL 10C: \_\_\_\_\_ minutes.
			11. Maximum U-Value: As indicated on Drawings.
			12. Maximum U-Value: \_\_\_\_\_.
			13. Maximum SHGC: As indicated on Drawings.
			14. Maximum SHGC: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete basis of design options not required.

* + 1. Basis of Design: Traditions; as manufactured by Therma-Tru Corp.
			1. Construction: Tension-leveled cold rolled steel, zinc-coated, conversion coated to permit paint bond skins:
				1. Thickness: 0.018 inch (0.46 mm) minimum.
				2. Door Edges: Machinable kiln-dried pine or engineered lumber mechanically locked to door faces, four sided full thermal break provided, lock area reinforced with solid blocking in full area of passage and deadbolt locksets.
				3. Door Bottom Edge: Moisture- and decay-resistant composite.
				4. Core: Foamed-in-place polyurethane, density 1.9 pcf (30 kg/cu.m.) minimum.
				5. Finish: White primed.

\*\* NOTE TO SPECIFIER \*\* Delete style, size, and sidelite options not required.

* + - * 1. Style: Traditions, Style Number as indicated on Drawings.

Size: As indicated on Drawings.

Sidelite: Style Number as indicated on Drawings.

* + - * 1. Style: Traditions, Style Number \_\_\_\_\_.

Size (WxH): \_\_\_\_ x \_\_\_\_ inches (\_\_\_\_ x \_\_\_\_ mm).

Sidelite: Style Number \_\_\_\_\_.

* + 1. Basis of Design: Traditions 20 Min Fire Door; as manufactured by Therma-Tru Corp.
			1. Construction: Tension-leveled cold rolled steel, zinc-coated, conversion coated to permit paint bond skins:
				1. Thickness: 0.018 inch (0.46 mm) minimum.
				2. Door Edges: Machinable kiln-dried pine or engineered lumber mechanically locked to door faces, four sided full thermal break provided, lock area reinforced with solid blocking in full area of passage and deadbolt locksets.
				3. Door Bottom Edge: Moisture- and decay-resistant composite.
				4. Core: Foamed in place polyurethane.
				5. Finish: White primed.

\*\* NOTE TO SPECIFIER \*\* Delete style, size, and sidelite options not required.

* + - * 1. Style: Traditions, Style Number as indicated on Drawings.

Size: As indicated on Drawings.

* + - * 1. Style: Traditions, Style Number \_\_\_\_\_.

Size (W x H): \_\_\_\_ x \_\_\_\_ inches (\_\_\_\_ x \_\_\_\_ mm).

* + 1. Basis of Design: Profiles; as manufactured by Therma-Tru Corp.
			1. Construction: Tension-leveled cold rolled steel, zinc-coated, conversion coated to permit paint bond skins:
				1. Thickness: 0.021 inch (0.53 mm) minimum.
				2. Door Edges: Machinable kiln-dried pine or engineered lumber mechanically locked to door faces, four sided full thermal break provided, lock area reinforced with solid blocking in full area of passage and deadbolt locksets.
				3. Door Bottom Edge: Moisture- and decay-resistant composite.
				4. Core: Foamed-in-place polyurethane, density 1.9 pcf (30 kg/cu.m.) minimum.
				5. Finish: White primed.

\*\* NOTE TO SPECIFIER \*\* Delete style, size, and sidelite options not required.

* + - * 1. Style: Profiles, Style Number as indicated on Drawings.

Size: As indicated on Drawings.

Sidelite: Style Number as indicated on Drawings.

* + - * 1. Style: Profiles, Style Number \_\_\_\_\_.

Size (W x H): \_\_\_\_ x \_\_\_\_ inches (\_\_\_\_ x \_\_\_\_ mm).

Sidelite: Style Number \_\_\_\_\_.

* + 1. Basis of Design: Profiles 20 Min Fire Door; as manufactured by Therma-Tru Corp.
			1. Construction: Tension-leveled cold rolled steel, zinc-coated, conversion coated to permit paint bond skins:
				1. Thickness: 0.021 inch (0.53 mm) minimum.
				2. Door Edges: Machinable kiln-dried pine or engineered lumber mechanically locked to door faces, four sided full thermal break provided, lock area reinforced with solid blocking in full area of passage and deadbolt locksets.
				3. Door Bottom Edge: Moisture- and decay-resistant composite.
				4. Core: Foamed in place polyurethane.
				5. Finish: White primed.

\*\* NOTE TO SPECIFIER \*\* Delete style, size, and sidelite options not required.

* + - * 1. Style: Profiles, Style Number as indicated on Drawings.

Size: As indicated on Drawings.

* + - * 1. Style: Profiles, Style Number \_\_\_\_\_.

Size (W x H): \_\_\_\_ x \_\_\_\_ inches (\_\_\_\_ x \_\_\_\_ mm).

* + 1. Sills:

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

* + - 1. Inswing: Composite adjustable.
			2. Inswing: Hardwood adjustable.
			3. Inswing: Basic fixed.
			4. Inswing: Basic composite adjustable.
			5. Outswing: Composite outswing.
			6. Outswing: Aluminum with thermal break.
			7. Outswing: Coastal.
			8. Other: Public access sill.
			9. Finish: Mill.
			10. Finish: Bronze.
		1. Glazing:
			1. Inserts: Perimeter frames in raised-molding patterns, molded from composite, wood-grained in natural hardwood patterns, paintable, screw-fastened to doors, screw holes concealed with grained plugs in matching material.
			2. Tested to withstand high service temperatures resulting from exposure behind storm doors or dark finishes.
			3. Glass: Minimum 1/8 inch (3 mm) tempered, two panes with sealed airspace between, airspace typically 1/4 to 3/4 inch (6 to 13 mm).
			4. Included Options:

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

* + - * 1. Decorative Panel:

Leaded decorative glass panel in airspace between tempered glass panes.

Caming Finish: Brass.

Caming Finish: Brushed nickel.

Caming Finish: Black nickel.

* + - * 1. Grill between the glass.
				2. Mini-blinds.
				3. Removable wood grilles.
				4. Permanent external lite dividers.
	1. FRAMES

\*\* NOTE TO SPECIFIER \*\* Therma-Tru strongly recommends the use of TRU-GUARD composite rot-resistant frames, mullions, and brickmould sourced from Therma-Tru. However, the use of a non-Therma-Tru frame system, or a Therma-Tru Primed Pine Frame or Therma-Tru Oak Frame, will not automatically void the entire limited warranty. Frames are provided and assembled by third party fabricators to exacting specifications from Therma-Tru to help maximize system performance. Delete frame options not required.

* + 1. Frames, Basis of Design: TRU-GUARD Rot Resistant - frames, mullions, and brickmould; as supplied by Therma-Tru Corp:

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

* + - 1. Surface: Buff Grained.
			2. Surface: Smooth White.

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

* + - 1. Jamb Width: 4 9/16 inches (116 mm).
			2. Jamb Width: 5 1/4 inches (133 mm).
			3. Jamb Width: 6 9/16 inches (167 mm).
		1. Frames: Pine Frame Milled from 5/4 kiln-dried material with profiled 1/2 inch (13 mm) stop and 6-degree sill gain prep.

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

* + - 1. Jamb Width: 4 9/16 inches (116 mm).
			2. Jamb Width: 5 1/4 inches (133 mm).
			3. Jamb Width: 6 9/16 inches (167 mm).
		1. Frames, Basis of Design: Adjusta-Fit 2 Steel Frames as manufactured by Dunbarton Door and Entry Systems, distributed by Therma-Tru. Complete knock down frame kits for field assembly. Frame may be cased out with steel, wood, or composite casing.
			1. Frame Members: ASTM A40 hot dipped galvanized in 0.4 oz. class conforming to ASTM A924 and ASTM A653.
			2. Fitted Frame: Adjustable two piece fabricated 18 gauge steel.
				1. Base Profile: Rabbeted for doors.
				2. Stop Kerf: 5/8 inch (mm) high to receive foam weather-strip.
				3. Interlocking base and closure with 1 inch (25 mm) adjustability.
				4. Fire Rating: Up to 90 minutes for positive and neutral pressure rating.
			3. Hardware Preparation: Frames to be mortised, reinforced, drilled, and tapped to receive specified mortise hardware and reinforced only for specified surface hardware.
			4. Exposed Surfaces: Manufacturer's standard baked-on synthetic enamel applied over a cleaned and phosphate coated surfaces.
			5. Sill: Standard two piece extruded aluminum mill finish
			6. Sill: Barrier free ADA compliant extruded aluminum mill finish
			7. Sill: Not required.
	1. HARDWARE
		1. Hinges:
			1. Material: Steel
			2. Size: 4 x 4 x 0.098 inches (102 x 102 x 2.5 mm)

\*\* NOTE TO SPECIFIER \*\* Classic-Craft available with Ball Bearing or Spring Loaded types only. Delete type and finish options not required.

* + - 1. Type: Adjustable:
				1. Finish: Bright Brass US3.
				2. Finish: Brushed Nickel US15.
				3. Finish: Black Nickel US17A.
				4. Finish: Polished Chrome US26.
				5. Finish: Oil Rubbed Bronze US10B.
				6. Plated screws to match.
			2. Type: Ball Bearing:
				1. Finish: Bright Brass US3.
				2. Finish: Brushed Nickel US15.
				3. Finish: Black Nickel US17A.
				4. Finish: Polished Chrome US26.
				5. Finish: Stainless Steel US32D.
				6. Finish: Zinc Dichromate US4.
				7. Plated screws to match.
			3. Type: Self-Aligning Ball Bearing:
				1. Finish: Bright Brass US3.
				2. Finish: Brushed Nickel US15.
				3. Finish: Black Nickel US17A.
				4. Finish: Stainless Steel US32D.
				5. Finish: Zinc Dichromate US4.
				6. Plated screws to match.
			4. Type: Self-Aligning:
				1. Finish: Brushed Nickel US15.
				2. Finish: Oil Rubbed Bronze US10B.
				3. Finish: Zinc Dichromate US4.
				4. Plated screws to match.
			5. Type: Self-Aligning NRP:
				1. Finish: Brushed Nickel US15.
				2. Finish: Black Nickel US17A.
				3. Finish: Polished Chrome US26.
				4. Finish: Oil Rubbed Bronze US10B.
				5. Finish: Stainless Steel US32D.
				6. Finish: Zinc Dichromate US4.
				7. Plated screws to match.
			6. Type: Security Tab:
				1. Finish: Brushed Nickel US15.
				2. Finish: Stainless Steel US32D.
				3. Finish: Zinc Dichromate US4.
				4. Plated screws to match.
			7. Type: Spring Loaded:
				1. Finish: Brushed Nickel US15.
				2. Finish: Black Nickel US17A.
				3. Finish: Polished Chrome US26.
				4. Finish: Oil Rubbed Bronze US10B.
				5. Finish: Stainless Steel US32D.
				6. Finish: Zinc Dichromate US4.
				7. Plated screws to match.
		1. Adjustable Security Strike Plate, for latch and deadbolt:

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

* + - 1. Finish: Brushed Nickel US15.
			2. Finish: Black Nickel US17A.
			3. Finish: Polished Chrome US26.
			4. Finish: Oil Rubbed Bronze US10B.
			5. Finish: Stainless Steel US32D.
			6. Finish: Zinc Dichromate US4.

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

* + 1. Locking Hardware:
			1. Multi-point lock system including stainless steel face plate:

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

* + - * 1. Lever Style: Heirloom.
				2. Lever Style: Venture.
				3. Lever Style: Millennium.

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

* + - * 1. Lever Finish: Bright Brass US3.
				2. Lever Finish: Brushed Nickel US15.
				3. Lever Finish: Black Nickel US17A.
				4. Lever Finish: Polished Chrome US26.
				5. Lever Finish: Oil Rubbed Bronze US10B.

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

* + - * 1. Grip Style: Forte.
				2. Grip Style: Prospect.

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

* + - * 1. Grip Finish: Brushed Nickel US15.
				2. Grip Finish: Black Nickel US17A.
				3. Grip Finish: Oil Rubbed Bronze US10B.
	1. INSTALLATION ACCESSORIES

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

* + 1. Sill pan.
		2. Corner seal pad.
		3. Rain deflector.
		4. Rain Guard.
		5. Sill Cover.
	1. FINISHES

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

* + 1. Finish: Field finished in accordance with Section 09 90 00 - Painting and Coating.
		2. Pre-Finish: PrismaGuard Stain proprietary finish professionally applied in a controlled environment for enhanced durability.
			1. Color: Wildflower Honey.
			2. Color: Rustic Clay.
			3. Color: Barley.
			4. Color: New Earth.
			5. Color: Autumn Harvest.
			6. Color: Redwood.
			7. Color: Mulberry.
			8. Color: Acorn.
			9. Color: Driftwood.
			10. Color: Raven.
		3. Pre-Finish: PrismaGuard Paint proprietary finish professionally applied in a controlled environment for enhanced durability.
			1. Color: Alpine.
			2. Color: Cypress.
			3. Color: Granite.
			4. Color: Ruby Red.
			5. Color: Cabernet.
			6. Color: Indigo.
			7. Color: Chestnut.
			8. Color: Onyx.
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.
			1. Install 20 minute doors with permanent fire door certification label in compliance with the requirements of the labeling agency and NFPA.
			2. Maintain alignment and compatibility with adjacent work.
			3. Steel Frame Installation: To be plumb, straight and true, rigidly secured in place, and properly braced.
			4. Comply with the Following:
				1. Manufacturer's installation instructions
				2. ANSI/DHIA115-IG installation guide.
				3. Door and Hardware Institute (DHI) installation standards.
				4. Steel Door Institute (SDI) installation and maintenance standards.
	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 manufacturer's recommendations.
		2. Touch-up, repair or replace damaged products before Substantial Completion.
		3. Protect installed products until completion of project.

END OF SECTION