

*This section includes prefinished, shop fabricated, site assembled steel door frames, fire rated and non-rated types, for exterior and interior applications. This section includes performance, proprietary, and descriptive type specifications. Edit to avoid conflicting requirements.*

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

- A. [Non-rated] [and] [fire rated], shop pre-finished, site assembled steel frames.

**1.2 RELATED SECTIONS**

- A. Section 01300 - Coordination: Site meetings.
- B. Section 01600 - Product Requirements: [Substitutions,] [delivery and storage requirements].
- C. Section 01700 - Existing Conditions.
- D. Section 08112 – Standard Steel Doors.
- Section 08210 - Wood Doors.

*In the following paragraph, silencers or weather-stripping can be specified in this section or included in the "hardware" section – edit the following statement accordingly.*

- E. Section 08710 - Door Hardware: Hardware, [silencers,] [and] [weatherstripping.]

*Include the following paragraph only when glazing will be included in a door or side light.*

- F. Section 08800 – Glass and Glazing.

**1.3 REFERENCES**

*List reference standards that are included within the text of this section. Edit the following as required for project conditions.*

- A. ASTM A1008M – Standard for cold rolled material
- B. UBC 7-2-97, UBC 7-4-97 Positive Pressure
- C. ASTM D2197 - Standard Test Method for Adhesion of Organic Coatings by Scrape Adhesion.
- D. ASTM D2247 - Practice for Testing Water Resistance of Coatings in 100% Relative Humidity.
- E. ASTM D2794 - Standard Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).
- F. ASTM D3361 - Standard Practice for Unfiltered Open-Flame Carbon-Arc Exposures of Paint and Related Coatings.
- G. **ASTM E152 - Methods of Fire Tests of Door Assemblies.**

- H. ASTM B117 – Standard test for salt spray testing
- I. NFPA 80 - Fire Doors and Windows.
- J. NFPA 252 – 1995 Fire Tests for Door Assemblies.
- K. ITS (WH) - Fire Tests of Door Assemblies.
- L. UL 10B – Fire Tests of Door Assemblies.
- M. UL 10C – Positive Pressure Fire Tests of Door Assemblies.

#### **1.4 SUBMITTALS FOR REVIEW**

*Do not request submittals if drawings sufficiently describe the products of this section or if proprietary specifying techniques are used. The following submittals are intended for review and approval or other action by the Consultant. Include product data only if required to supplement shop drawing information.*

- A. Section 01300: Submission procedures.
- B. Product Data: Indicate frame configuration and finishes.
- C. Shop Drawings: Indicate frame elevations, reinforcement required, and spacing, location of embosses for hardware, and finish.

*Include the following paragraph for submission of physical samples for selection of finish, color, and texture.*

- D. Samples: Submit [two] [\_\_\_\_\_] standard frame samples, illustrating factory finished frame colors and surface texture.

#### **1.5 SUBMITTALS FOR INFORMATION**

*The following submittals are informational; responsive action by the Consultant is not required.*

- A. Section 01300: Submission procedures.
- B. Manufacturer's Installation Instructions: Indicate special installation instructions.
- C. Manufacturer's Certificate: Certify that [Products] [\_\_\_\_\_] meet or exceed [specified requirements] [\_\_\_\_\_].

#### **1.6 QUALITY ASSURANCE**

- A. Installers:
  - 1. Individuals that are “Certified Prefinished Frame Installers” for the installation of site assembled door frames.
  - 2. Refer to manufacturer’s Internet web site for listing of Certified installers.

#### **1.7 REGULATORY REQUIREMENTS**

*One or more of the following standards must be selected as applicable to fire rated doors, as appropriate to authority having jurisdiction.*

- A. Fire Rated Frame Construction: Conform to [ASTM E152] [NFPA 252] [UL 10B and 10C].
- B. Installed Frame Assembly: Conform to [NFPA 80] [ ] for fire rated class same as fire door.

**1.8 DELIVERY, STORAGE, AND PROTECTION**

- A. Section 01600: Transport, handle, store, and protect products in a dry area off the ground.
- B. Accept frames on site in manufacturer's box packaging with identification labels intact. Inspect for damage.
- C. Do not open individual boxes until installation is to begin.

**1.9 PROJECT CONDITIONS**

- A. Section 01300: Coordination and meetings.
- B. Verify actual measurements/openings by field measurement prior to fabrication.
- C. Coordinate the work with frame opening construction, door and hardware installation.

*Include the following paragraph if electronic hardware components are contained within the door and frame construction.*

- D. Sequence installation to ensure concealed electric wire connections are achieved in an orderly and expeditious manner.

**PART 2 PRODUCTS**

**2.1 FRAME MANUFACTURERS**

*In this article, list the manufacturers acceptable for this project. Edit the subsequent descriptive specifications to identify project requirements and to eliminate any conflict with specified manufacturer's products.*

- A. Timely Industries, A Division of SDS Industries, Inc., 10241 Norris Avenue, Pacoima, CA, 91331-2292; Phone toll free: 800-247-6242 or local at 818-492-3500; Fax: 818-492-3530. Web site: [www.timelyframes.com](http://www.timelyframes.com).
- B. Frames: Provide all frames for project from same manufacturer.
- C. Substitutions: [Refer to Section 01600.] [Not permitted.]

**2.2 FRAMES**

- A. Frame Material: [Cold rolled steel, for interior frames.] [Cold rolled steel, electro-galvanized for exterior frames.] [Stainless steel.] [Brass.]

*Timely door frame throat openings accommodate up to 330 mm (13 inch) wall thicknesses. Specify the throat opening in the paragraph below, or simply a match to the wall thickness.*

- B. Frame Throat Opening: [ ] [to suit finished wall thickness].

- C. Frame Profile: [Non-rated] [and] [fire rated]:
1. "S" (Standard) Series, 0.9 mm (20 gage) thick.
  2. "C" Series, 1.2 mm (18 gage) thick..
  3. "A" Series, 1.2 mm (18 gage) thick, adjustable.
  4. "E" Series, 0.9 mm (20 gage), [Type 304 stainless steel] [Type 430 stainless steel, polished] [solid brass, bright].
- D. Side Light Frames: [1.2 mm (18 gage).] [0.9 mm (20 gage) thick.]

*Select appropriate casing from the list below. Casings may require reference to other sections for more detail. Profiles of casings may be required.*

- E. Frame Casings:
1. Material: [Steel] [Aluminum] [Stainless steel] [Brass] [PVC} casings with corner alignment clips.
  2. Type
    - a. Standard Steel Type: Model TA-8 with 6 mm (1/4 inch) reveal, on [steel] [stainless steel] [brass] frames. Fit factory assembled units with MiterGard corner alignment clips.
    - b. Colonial Style Steel Type: Model TA-30 with 6 mm (1/4 inch) reveal. With corner alignment clips.
    - c. Aluminum Type: Aluminum, [Model TA-23 with a 6 mm (1/4 inch) reveal.] [Model TA-28, full face.]. With corner alignment clips
    - d. PVC Type: Cellular poly (vinyl chloride), Model TA-35 with 6 mm (1/8 inch) reveal.
    - e. Wood Type: Refer to [Section 06400 - Architectural Woodwork.] [Section 06200 - Finish Carpentry.]

### 2.3 ACCESSORIES

*Specify rim panic strike reinforcement for single frames not prepared for strikes.*

- A. Reinforcement Bracket for Closer: [Regular arm closer, Model TA-10.] [parallel arm closer, Model TA-12.] [multi-purpose application, Model TA-25.]
- B. Reinforcement Brackets for Rim Exit Device: Model TA-12
- C. Reinforcement Brackets for Door Guards: Model TA-10

*Specify weatherstripping or silencers in this section or refer to another Section – select the first or second option as described in each paragraph below.*

- D. Weatherstripping: [Specified in Section [08710] [\_\_\_\_].] [Adhesive backed fire-rated seal, self-extinguishing rubber. Model TA-51, [Black] [Western White] [Browntone] [Clear] color and/or Adhesive backed fire-rated Intumescent seal, high volume multi-directional expandable graphite. Model TA-50, can be painted to match any door jamb color.
- E. Silencers: [Specified in Section [08710] [\_\_\_\_].] [vinyl], clear stick-on type.]
- F. Glass Stops: Model TA-14 removable rolled steel, shape, butted ends, countersink style and screws.
- G. Fasteners:
  - 1. Interior Frames: Drywall type.
  - 2. Exterior Frames: Drywall type, corrosion resistant coating at exterior frames.
  - 3. Site Applied Wood Trim: Finish type.

## **2.4 FABRICATION**

- A. Openings for [single swing frame] [pair frame] [full bound] [adjustable frame], rated for [\_\_\_\_] [90 minutes].
- B. Sidelights [and Borrowed Lites] with Steel Trim: [\_\_\_\_][45 minute fire rated].
- C. Sidelights [and Borrowed Lites] with [wood trim] [304 Series] [solid brass] frames: Not fire rated.
- D. Casing Clips: Fabricate frames with factory applied heated treated clips.
- E. Mullions for Double Doors: [Fixed type, of same profiles as jambs.] [Removable type provided by Section 08710.]
- F. Transom Bars: Fixed type same profiles as jamb and head.
- G. Fabricate frames with hinge reinforcement plates secured in place.
- H. Attach fire rated label to each fire-rated frame.
- I. Silencers:
  - 1. Provide three (3) single silencers for single doors [and mullions of double doors] on strike side.
  - 2. Provide two (2) single silencers on frame head at double doors without mullions.
- J. Configure exterior frames with special profile to receive recessed weatherstripping.

## **2.5 FINISH**

*Edit the following finish types to suit project conditions.*

- A. Frame Units: Prefinshed with factory applied impact resistant, polyester baked enamel finish.
- B. Frames for Exterior Units: Electro Galvanized Prefinished with factory applied impact resistant, polyester baked enamel finish.
- C. Casing:
  - 1. Steel: Prefinished with factory applied impact resistant, polyester baked enamel finish.
  - 2. Aluminum: [Prefinished with factory applied impact resistant, polyester baked enamel finish.] [Clear anodized.]
  - 3. PVC: Finished to match the frame color.
- D. Primer: Primer Electro Galvanized.

*Specify the colors for the project below. Where a variety of colors are used, list them and reference the frame schedule in Part 3. Timely Industries' standard and custom colors are listed separately below.*

- E. Colors:
  - 1. Standard Colors: [Browntone SC101.] [Western White SC107.]
  - 2. Standard Colors (Extra Cost): [Autumn Brown SC102.] [Black SC103.] [Alumatone SC108.] [Stone Gray SC106.]
  - 3. Custom Colors: [Winter White SC105.] [Navajo White SC104.] [White White CC301.] [White Smoke CC302.] [Bone China CC303.] [Designer White CC304.] [Charcoal CC401.] [Cape Cod Bray CC401.] [Neutral Gray CC403.] [Nickel CC404.] [Driftwood CC501.] [Sandy Beach CC502.] [Cameo Beige CC503.] [Cozy Peach CC504.] [Brown Sugar CC601.] [Cocoa CC602.] [Doeskin CC603.] [Harvest Moon CC604.] [Cordovan CC701.] [Ruby Red CC702.] [Rosedust CC703.] [Mauve Mist CC704.] [Pacific Blue CC801.] [Twilight CC802.] [Country Blue CC802.] [Powder Blue CC804.] [Jade CC901.] [Kentucky Grass CC902.] [Miami Waters CC903.] [Malibu Green CC904.]
  - 4. Elite Colors: [Bright Solid Brass ES201.] [Bright Plated Brass ES202.] [Stainless Steel 430 Bright ES204.] [304 #4 Brushed Stainless Steel ES206.]

### **PART 3 EXECUTION**

#### **3.1 EXAMINATION**

- A. Section 01700: Verify acceptability of existing conditions before starting work.
- B. Verify that opening sizes and tolerances are acceptable.

#### **3.2 INSTALLATION**

- A. Install frames in accordance with manufacturer's requirements.
- B. Install Prefinished frames near end of the project after completing wall painting and wall coverings.
- C. Install frames using Certified Installers.

- D. Coordinate installation of glass and glazing in glazed units.
- E. Coordinate installation of frames with installation of hardware specified in Section [08710] [ ] and doors in Section [08114.] [08210.] [ ].
- F. Touch-up blemishes on finished frames.

**3.3 SCHEDULE**

*Provide schedule when door and frame schedules are not described on drawings. The schedule should identify various types or categories of doors and associated frames, fire ratings if any, hardware sets, etc.*

END OF SECTION