

## MANUFACTURER

### RAYDOOR™

134 West 29<sup>th</sup> Street, #909

New York, NY 10001

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## SECTION 08200

### CUSTOM WOOD FRAME WITH ACRYLIC PANEL DOORS

#### PART 1 – GENERAL

##### 1.01 SUMMARY

- A. Section Includes:
  - 1. Custom Wood Frame with Acrylic Panel Doors
  - 2. Factory Prefitting and Premachining
  - 3. Factory Provided Hardware
  
- B. Related Sections
  - 1. Section 01300 – Submittals
  - 2. Section 01600 – Material and Equipment
  - 3. Section 06200 – Finish Carpentry
  - 4. Section 06275 – Custom Wood Door Frames
  - 5. Section 08710 – Door Hardware
  - 6. Section 09900 – Painting

##### 1.02 REFERENCES

- A. American Society for Testing and Materials (ASTM):
  - 1. ASTM D-1037 –91 Standard Methods for Evaluating the Properties of Wood-Based Fiber and Particle Board Panel Materials.

##### 1.03 SUBMITTALS

- A. Shop Drawings: Submit in accordance with Section 01300. Indicate location, size, elevation, details of construction, and factory preparation requirements for each door type.
  
- B. Templates: Hardware templates for hardware mounted on doors will be submitted under Section 08710 directly to door manufacturer immediately after acceptance of hardware schedule. Report failure to receive templates with reasonable promptness to General Contractor.
  
- C. Quality Control Submittals:

1. Warranty: Submit in accordance with Section 01700.

#### 1.04 DELIVERY, STORAGE AND HANDLING

- A. General: Comply with Section 01600 Material And Equipment
  1. Delivery: Do not deliver doors to building until it is entirely enclosed, drywall, plaster and concrete work is completed and dry and humidity in the building has reached average relative humidity of locality.
  2. Storage: Stack doors vertically at an angle of 10 degrees (or less) to the wall, on a level floor surface in a dry, well ventilated area. Keep doors covered while allowing air circulation.
  3. Handling: Do not drag doors across one another. Do not drop or rest doors on corners or edges.
  4. Protection: Do not subject doors to abnormal heat, dryness, humidity or drastic changes in these conditions. Allow sufficient time for doors to acclimate to average existing conditions of the area before installation.

#### 1.05 WARRANTY

RAYDOOR products are warranted for interior use only.

- A. Factory Finished Door Warranty: Provide manufacturer's standard 1 year warranty.

### PART 2 – PRODUCTS

#### 2.01 MANUFACTURERS

- A. Acceptable Manufacturer:  
RAYDOOR 134 West 29<sup>th</sup> Street, #909 New York, NY. 10001

#### 2.02 CUSTOM WOOD FRAME WITH ACRYLIC PANEL DOORS

**Edit as required. If more than one system or door type is required, indicated on drawings.**

- A. Description:
  1. RAYDOOR Custom Doors with Wood Frame and Acrylic Panels.
  2. Size and Panel Types: See Drawings.
  3. Door Thickness: 2-1/4" ( " V " and "L" frames ), 1-3/4" ( " 175 " frames )
  4. Frame Width: 3"
  5. Finish: Factory finished.
    - [a. V\_White Maple, Standard]
    - [a. V\_Walnut, Upgrade]
    - [a. V\_Coffee Wood, Upgrade]
    - [a. V\_Cabernet, Upgrade]
    - [a. V\_Match Sample Provided, Upgrade]
    - [a. L\_Brown Cypress]
    - [a. L\_Brazilian Walnut]
    - [a. L\_Memphis Cherry]
    - [a. L\_Maple]
    - [a. L\_White Ash]
    - [a. L\_Satin White]
    - [a. L\_Metallic Mesh]
    - [a. L\_Metallic Muslin]

- [a. L\_Brushed Aluminum, Upgrade]
- [a. L\_Walnut]
- [a. L\_Brushed Steel]
- [a. L\_Match Sample Provided]
- [a. 175\_Mocha Cherry]
- [a. 175\_Samba Cherry]
- [a. 175\_Praline Cherry]
- [a. 175\_Maple]
- [a. 175\_Brushed Steel]
- [a. 175\_Walnut]
- [a. 175\_Brown Cypress]
- [a. 175\_Match Sample Provided]

B. System Types:

- [1. 4 Door System]
- [a. SlidingWingWall]

C. Core Type:

- [1. Clear Frosted, Standard]
- [1. Opal Frosted, Upgrade]
- [1. Clear Transparent, Upgrade]
- [1. Oyster Linen, Upgrade]
- [1. Beach Grass, Upgrade]
- [1. Search Light, Upgrade]
- [1. Large Ovalesque, Upgrade]
- [1. specify variety, Upgrade]

D. Lattice Design Type:

- [1. Type 1]
- [1. Type 2]
- [1. Type 3]
- [1. Type 4]
- [1. Custom, See Drawings Provided]

E. Factory Provided Track Hardware Type:

- [1. 40b Kit, Upgrade]
- [1. [redacted] feet of extra [redacted] track, Upgrade]

F. Factory Provided Hardware Type:

- [1. Flush Bolt, Long Throw, standard/upgrade]
- [2. Ring Pull, edge mortised, standard/upgrade]
- [2. Ring Pull, face mortised, standard/upgrade]
- [3. Flush Pull OP-60, standard/upgrade]
- [3. Flush Pull RP-150, standard/upgrade]
- [3. Grey Floor Guide, standard/upgrade]
- [3. 40b Track Stops, standard/upgrade]
- [3. Privacy Lock KA, upgrade]
- [3. Privacy Lock AGB, upgrade]
- [3. Privacy Lock RCL-180, upgrade]
- [4. RGS-175, standard]

- [4. RGS-225, standard]
- [4. Dust-Proof Strikes, upgrade]

## 2.03 FACTORY PREFITTING AND PREMACHINING

- A. Doors: Prefit and premachine doors at factory.
  - 1. Obtain accurate field measurements of hardware mortised in wood frames to verify dimensions and alignment before proceeding with machining in factory.
  - 2. Machine doors for hardware requiring cutting of doors.
  - 3. Comply with accepted hardware schedules, door frame shop drawings and with hardware templates to ensure proper fit of doors and hardware.
- B. Tolerances: Comply with NWWDA tolerance requirements for prefitting.

## PART 3 - EXECUTION

### 3.01 EXAMINATION

- A. Verification of Conditions: Comply with Section 01 600:
  - 1. Before installation, verify that frames are proper size and type for door and are installed as required for proper installation of doors.
  - 2. Notification: Notify General Contractor of unsatisfactory conditions in writing with copy to Architect.
- B. Acceptance: Beginning of work means acceptance of existing conditions by installer.

### 3.02 PREPARATION

- A. Conditioning: Condition doors to average humidity in installation area prior to hanging.
- B. Prefitting: Prefit doors to frames and machine for hardware to whatever extent not previously worked at factory as required for proper fit and uniform clearance at each edge.

### 3.03 INSTALLATION

- A. General: Install doors in accordance with manufacturer's recommendations.
  - 1. Installation: By skilled finish carpenters or factory authorized installers.
  - 2. Installer: Thoroughly familiar with the requirements of the manufacturer's door warranty as currently in effect and assure compliance with all provisions.
- B. Hanging:
  - 1. After sizing doors, fit for hardware as scheduled.
  - 2. Hang doors to be free of binding with hardware functioning properly.

### 3.04 ADJUSTING AND PROTECTION

- A. Adjustment: At completion of job, adjust doors and hardware as required and leave in proper operating condition.
- B. Protection: Advise General Contractor of proper procedures required to protect installed wood doors from damages or deterioration until acceptance of entire project.
- C. Replacement: Refinish or replace doors damaged during installation.

1. Causes for Rejection: Include chips, scratches or gouges.
- D. Repair of Scratches and Gouges on "A" Frame Doors: Sand with 120 grit sandpaper.

END OF SECTION