

SECTION 08100

METAL DOORS & FRAMES

PART 1 GENERAL

1.01 DIVISION OF RESPONSIBILITIES TERMINOLOGY: **NOT USED**

1.02 SUMMARY: The Contractor shall purchase interior and exterior hollow metal doors and metal door frames from a PETCO Inventory Agreement Vendor, where shown on the drawings, as specified in this Section, and as needed for a complete and proper installation.

1.03 RELATED WORK:

- A. Section 08410- Aluminum Entrance Doors & Storefront
- B. Section 08710- Finish Hardware; metal doors and frames shall be purchased from the same Inventory Agreement supplier as the Metal Doors and Frames specified in this Section.

1.04 FLORIDA BUILDING CODE TEST PROTOCOLS FOR HIGH VELOCITY HURRICANE ZONES: **NOT USED**

1.05 SUBMITTALS:

- A. Metal Doors and Frames Product Data: Submit manufacturer's product data indicating compliance with the standards specified in this Section.
- B. Door and Frame Schedule: Submit door and frame schedule keyed to the Door Schedule in the drawings, in detail adequate to verify compliance with the standards specified in this Section
- C. **NOT USED**

1.06 WARRANTY: The Contractor shall include a copy of the Metal Door and Frame manufacturer's standard product warranty in the Building Maintenance Manuals, submitted per Section 01700-Contract Closeout.

PART 2 PRODUCTS

2.01 HOLLOW METAL DOORS & FRAMES (INVENTORY AGREEMENT):

- A. The Contractor shall purchase Interior and Exterior Metal Doors and Frames from Girtman & Associates in an Inventory Agreement, and shall install all doors and frames. The Contractor shall coordinate delivery of Metal Doors and Frames with the following:

GIRTMAN & ASSOCIATES INC. / GIRTMAN TOTAL OPENINGS, LLC
Contact: Donna Howard e-mail: dhoward@girtman.com
7115 Cockrill Bend Blvd , Nashville TN 37209
Tel. 615-350-6000 FAX 615-350-6686

No product substitutions are permitted.

2.02 METAL DOOR REQUIREMENTS:

- A. Interior Hollow Metal Doors:

1. Interior Hollow Metal Doors shall be 1-3/4", 18 gauge cold rolled steel manufactured flush with visible edge seams, 1/8" bevel on hinge and lock edges, top and bottom inverted 14 gauge cold rolled steel channels spot welded within the door, with honeycomb core.
2. Doors shall be internally reinforced with 14 gauge steel reinforcement for closers.
3. Mortised hardware reinforcements shall be factory drilled and tapped.
4. Doors shall be phosphatized and receive one coat of baked on primer.

B. Exterior Hollow Metal Doors:

1. Exterior Hollow Metal Doors shall be 1-3/4", 16 gauge cold rolled steel manufactured flush with visible edge seams, 1/8" bevel on hinge and lock edges, top and bottom inverted 14 gauge cold rolled steel channels spot welded within the door, sound deadened with one pound density polystyrene laminated to inside panel faces. Perimeter voids shall be honeycomb filled.
2. Doors shall be internally reinforced with 14 gauge steel reinforcement for closers.
3. Mortised hardware reinforcements shall be factory drilled and tapped.
4. Outswinging exterior metal doors shall be provided with top weather caps.
5. Doors shall be phosphatized and receive one coat of baked on primer.

2.03 METAL DOOR FRAME REQUIREMENTS:

A. Hollow Metal Frame Standards (Typical for all Interior and Exterior Doors):

1. Hollow metal frames shall be 16 gauge flush cold rolled steel, fully arc-welded, 2" faces (4" head where applicable for masonry openings) reinforced with 8 gauge steel hinge reinforcements, 16 gauge strike reinforcement, drilled for door silencers at the rate of (3) per strike jamb and (2) per head of door pairs.
2. Exterior Door Frames and the Interior Door Frame at Pre-Sales shall be fully arc-welded frames with welded joints ground smooth.
3. Interior Fire-Rated Door Frames shall be fully arc-welded frames with welded joints ground smooth.
4. Interior Door Frames may be Knocked-down EXCEPT for the Interior Door Frame scheduled at Pre-Sales.
5. Frames shall be furnished with a minimum of 6 wall anchors and (2) base anchors of manufacturer's standard design for the intended wall construction.
6. Frames shall be fitted for strikes and full mortise hinges as specified in Section 08710-Finish Hardware.
7. Frames shall be phosphatized and receive one coat of baked on prime paint.
8. Exterior Hollow Metal Frames shall receive a bituminous rust-resistive coating on the inside concealed surfaces of the metal frames, in addition to the prime coat, or shall be hot-dipped galvanized.
9. Exterior Door Frames shall bear the Product Notice of Acceptance--current jurisdiction approval and product acceptance, if required by the jurisdiction.

2.04 LOUVER FRAME IN METAL DOOR:

- A. Provide beveled, mitered and welded louver frame, in sizes scheduled, by Air Louvers Inc., Pico Rivera CA (310-948-3495).
1. Acceptable alternative: A-J Manufacturing Co. Inc , Kansas City MO (800-247-5746).
 2. Other manufacturer as selected by the PETCO Inventory Agreement Vendor.
- B. Louver Frame and Louver: Provide 20 gauge, fixed slat louvers with frame halves framing both sides of the door opening cut-out, with primer prepared for field painting, and sized

nominally as shown on the drawings (reference "Door Types" and "Door Schedule" on the drawings)

C. Vision Lite Frame: **NOT USED**

PART 3 EXECUTION

- 3.01 SURFACE CONDITIONS: The Contractor shall examine the areas and conditions under which work of this section will be provided, shall correct conditions detrimental to the timely and proper completion of the work, and shall NOT proceed until unsatisfactory conditions are corrected
- 3.02 INSTALLATION OF EXTERIOR DOOR FRAMES: Exterior hollow metal door frames shall be solid grouted.
- 3.03 INSTALLATION OF FIRE-RATED DOORS AND FRAMES: Provide solid grout in hollow metal door frames where required as a component of the fire rated wall assembly.
- 3.04 INSTALLATION: The Contractor shall prepare the masonry and other openings as found, and shall install Hollow Metal Doors and Frames per the Manufacturer's Written Instructions and industry standards.

END OF SECTION

