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Aluminium Doors & Frames





ARCHITECTURAL METALS INC.

N100/M300/W500

Entrance Systems



N100/M300/W500

Narrow, Medium, and Wide Stile Commercial Entrance Systems

Atlas commercial entrance systems provide exceptional versatility, durability, and architectural flexibility. Engineered to accommodate a wide range of project requirements, these systems feature reinforced tubular door frames that support sidelite glazing without the need for clips while preserving the structural strength of transom assemblies. Every Atlas entrance door is manufactured and tested to meet or exceed industry performance standards, ensuring long-term reliability in demanding commercial environments.

Features

- Available in 2-1/8" narrow, 3-3/4" medium, and 5" wide stile profiles
- Reinforced impact-resistant configurations available for M300 and W500 systems
- Single-door and paired-door configurations
- Single-acting and double-acting door options
- Compatible with Atlas storefront and curtain wall systems
- Standard and custom hardware selections available



Glazing	Glass Setting	Installation
Interior/ Exterior	Center Set	Single or Pair

N100/ M300/ W500 SPECS			Finish Options	
System Stiles	2-1/8" Narrow, 3-3/4" - Medium and 5" Wide		Type	Standard
Door Configuration	Outside Glazed / Center Set		Factory Anodized	AAMA 612
Tested Glass	1" IGU with Low-E (C.O.G. U-Factor: 0.29)		High Performance Architectural Coatings	AAMA 2604 AAMA 2605
Test	Results	Standards	Midrail Sizes	
Air Infiltration	Single: 0.50 CFM/FT2 (1.10 m3/h·m2) Pair: 1.00 CFM/FT2 (1.10 m3/h·m2) @ 6.24 PSF (299 Pa)	ASTM E 283	9/16", 1-13/16", 2-13/16", 3-13/16", 4-5/16", 6-9/16", 10-1/16"	
Structural Uniform Load	N100 Door / Single: 35 PSF Pair: 35 PSF M300 Door / Single: 50 PSF Pair: 50 PSF W500 Door / Single: 60 PSF Pair: 60 PSF	ASTM E 330		
Structural Performance	Door corner structural strength shall be tested per ATLAS dual moment test procedure and certified by an independent testing lab to ensure corner integrity and weld compliance. Certified test procedures and results are available upon request.	ASTM E 283	Glass Sizes	
			3/16", 1/4", 3/8", 1/2", 9/16" and 1"	
Stocked Entrances			Custom Entrances	
N100 Entrance	Single Doors: 3'-0" X 7'-0" 3'-6" X 7'-0"	Paired Doors: 6'-0" X 7'-0"	N100, M300 or W500 Entrances	
Offset Pivot, Center Pivot and Butt Hinge hanging options MS Locks, and CVR Exit Device (CVR for Offset Pivots only)			Single Doors or Paired Doors: Up to 10'-0"	

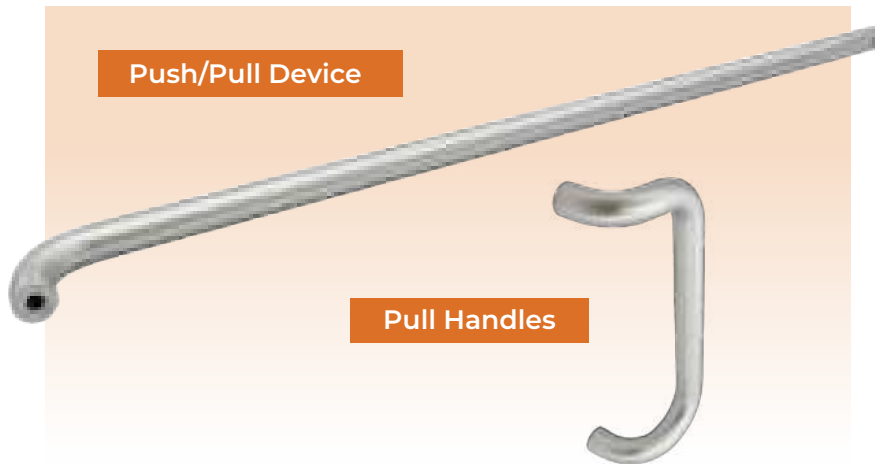
Showroom Doors

We now offer standard options to turn our N100, M300 and W500 entrances into a showroom door. Our showroom doors are extremely wide options to swing the door out, letting large objects, such as demo vehicles into a building. Drawings and a separate data sheet for the showroom options are available on the product guide and/or our design manual at atlasarchmetals.com

Standard Entrance Hardware

Push/Pull Devices

The one-inch diameter push/pull provides flexibility and occupant safety. The pull handle is open to permit access to the lock cylinder, but is slightly angled to provide a uniquely modern look. The push bar starts at the locking stile, but then has a Tapered end toward the hinge. This innovative push bar also accommodates custom width openings.



Exit/Panic Devices

The modern and economical standard touch bar exit devices are ideally suited for all applications that require emergency egress. The devices are ANSI Grade 1, carry the UL label and are approved for Life Safety. Both the rim and concealed devices feature single point dogging and are available with electric actuation.



CVR/ Rim Devices

You can view all of our standard entrance hardware options by selecting the entrance hardware data sheets on our product guide at:

GENERAL:

Entrances shall be Shadow Custom Narrow Stile Door Frames as manufactured by ATLAS Architectural Metals, Inc. Houston, TX. As shown on architectural details.

MATERIAL:

All sections of doors and frames shall be extruded members having the properties of Architectural Alloy 6063-T5, screws shall be of plated steel, aluminum or dull chrome plated brass or bronze.

FINISH:

All exposed surfaces shall be free of scratches and other serious blemishes. Aluminum moldings shall be given a caustic etch followed by an anodic oxide treatment to obtain... (Specify one of the following).

...an Architectural Dark Bronze Class II Anodic coating with color conforming to Aluminum Association Standard AA-M10 C22 A34, .4 Mill coating.

...an Architectural 204-R1 anodic coating conforming to Aluminum Association Standard AA-M10 C22 A31 .4 Mill coating.

HARDWARE:

All stock doors shall have standard hardware furnished by the door manufacture. Special hardware for custom built doors and special entrances shall be specified by the architect. Hardware furnished by others shall be sent to the door manufacturer for application.

FABRICATION:

Doors shall have 2-1/8" vertical stiles, 2-1/4" top rails, 3-1/4" bottom rails with wall thickness of 1/8". Corners shall have hairline joints and be fastened with mechanical fasteners option for 9-1/2" Bottom rail available.

At the meeting stile on all pairs a double row of wool pile weathering, uninterrupted by hardware, shall be inserted into a full-length adjustable astragal that is attached to the active door leaf.

All doors shall have an adjustable glass setting block in the top rail.

Frames shall be extruded sections with size depending upon the strength of construction required. When door stops are used, they shall include a pile weather-strip which will also provide a cushioning effect.

Glazing members on doors and frames shall be of such design that they are snapped in, eliminating the use of exposed screws. The minimum wall thickness shall not be less than .050". The glazing on both sides of glass shall receive a vinyl glazing bead or equivalent.

ERECTION: All openings shall be prepared plumb and square by others. Doors and frames shall be installed in the opening plumb and in true alignment.

GENERAL:

Entrances shall be Shadow Custom Medium Stile Door Frames as manufactured by ATLAS Architectural Metals, Inc. Houston, TX. As shown on architectural details.

MATERIAL:

All sections of doors and frames shall be extruded members having the properties of Architectural Alloy 6063-T5, screws shall be of plated steel, aluminum or dull chrome plated brass or bronze.

FINISH:

All exposed surfaces shall be free of scratches and other serious blemishes. Aluminum moldings shall be given a caustic etch followed by an anodic oxide treatment to obtain... (Specify one of the following).

...an Architectural Dark Bronze Class II anodic coating with color conforming to Aluminum Association Standard AA-M10 C22 A34, .4 Mill coating.

...an Architectural 204-R1 anodic coating conforming to Aluminum Association Standard AA-M10 C22 A31 .4 Mill coating.

HARDWARE:

All stock doors shall have standard hardware furnished by the door manufacture. Special hardware for custom built doors and special entrances shall be specified by the architect. Hardware furnished by others shall be sent to the door manufacturer for application.

FABRICATION:

Doors shall have 3-3/4" vertical stiles, 3-3/4" top rails, 6" bottom rails with wall thickness of 1/8". Corners shall have hairline joints and be fastened with mechanical fasteners option for 9-1/2" Bottom rail available.

At the meeting stile on all pairs a double row of wool pile weathering, uninterrupted by hardware, shall be inserted into a full-length adjustable astragal that is attached to the active door leaf.

All doors shall have an adjustable glass setting block in the top rail.

Frames shall be extruded sections with size depending upon the strength of construction required. When door stops are used, they shall include a pile weather-strip which will also provide a cushioning effect.

Glazing members on doors and frames shall be of such design that they are snapped in, eliminating the use of exposed screws. The minimum wall thickness shall not be less than .050". The glazing on both sides of glass shall receive a vinyl glazing bead or equivalent.

ERECTION: All openings shall be prepared plumb and square by others. Doors and frames shall be installed in the opening plumb and in true alignment.

GENERAL:

Entrances shall be Shadow Custom Wide Stile Door Frames as manufactured by ATLAS Architectural Metals, Inc. Houston, TX. As shown on architectural details.

MATERIAL:

All sections of doors and frames shall be extruded members having the properties of Architectural Alloy 6063-T5, screws shall be of plated steel, aluminum or dull chrome plated brass or bronze.

FINISH:

All exposed surfaces shall be free of scratches and other serious blemishes. Aluminum moldings shall be given a caustic etch followed by an anodic oxide treatment to obtain... (Specify one of the following).

...an Architectural Dark Bronze Class II Anodic coating with color conforming to Aluminum Association Standard AA-M10 C22 A34, .4 Mill coating.

...an Architectural 204-R1 anodic coating conforming to Aluminum Association Standard AA-M10 C22 A31 .4 Mill coating.

HARDWARE:

All stock doors shall have standard hardware furnished by the door manufacture. Special hardware for custom built doors and special entrances shall be specified by the architect. Hardware furnished by others shall be sent to the door manufacturer for application.

FABRICATION:

Doors shall have 5" vertical stiles, 3-3/4" top rails, 6" and Bottom rails with wall thickness of 1/8". Corners shall have hairline joints and be fastened with mechanical fasteners. "Option" for 9 1/2" Bottom rail available.

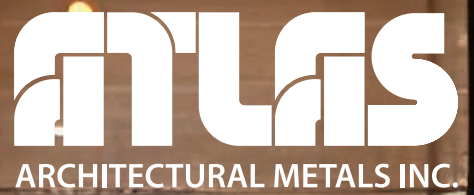
At the meeting stile on all pairs a double row of wool pile weathering, uninterrupted by hardware, shall be inserted into a full-length adjustable astragal that is attached to the active door leaf.

All doors shall have an adjustable glass setting block in the top rail.

Frames shall be extruded sections with size depending upon the strength of construction required. When door stops are used, they shall include a pile weather-strip which will also provide a cushioning effect.

Glazing members on doors and frames shall be of such design that they are snapped in, eliminating the use of exposed screws. The minimum wall thickness shall not be less than .050". The glazing on both sides of glass shall receive a vinyl glazing bead or equivalent.

ERECTION: All openings shall be prepared plumb and square by others. Doors and frames shall be installed in the opening plumb and in true alignment.



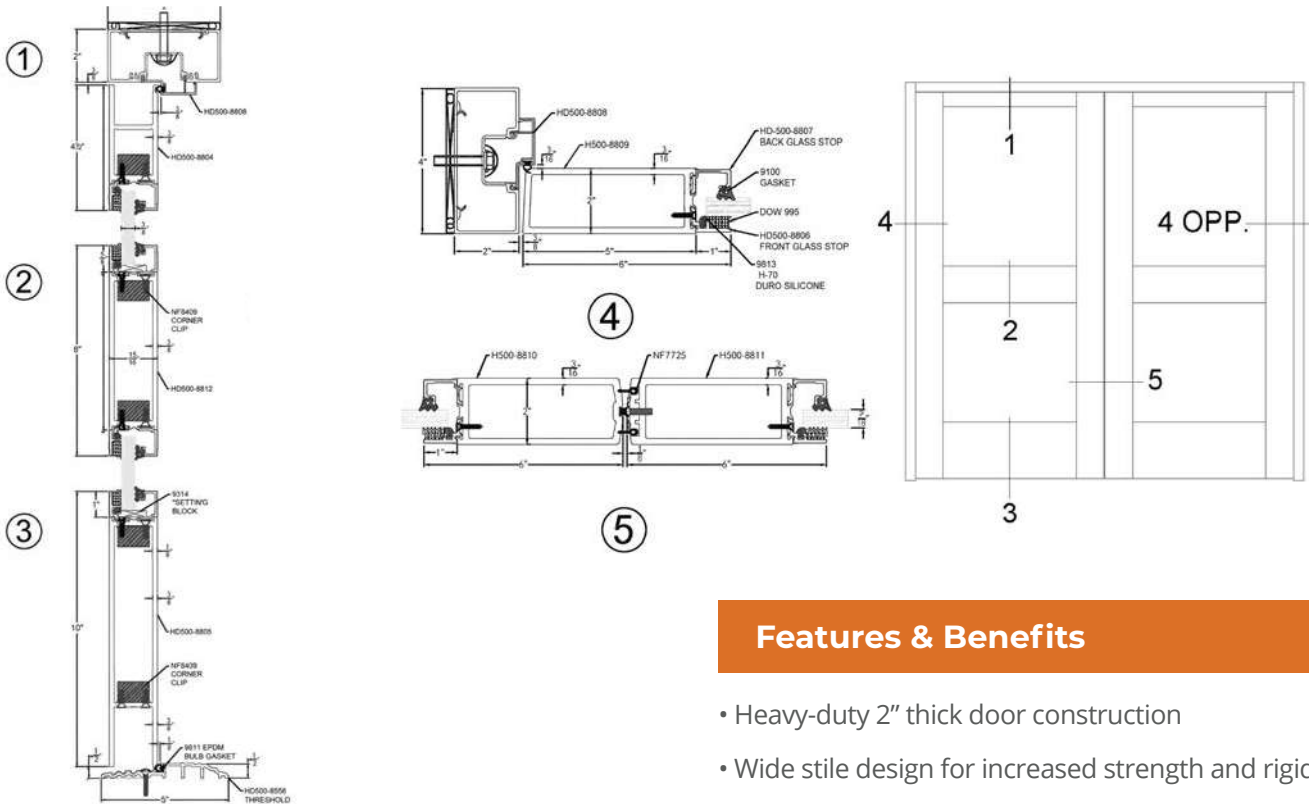
HW500 Series Heavy Duty Entrance Doors



The Atlas HW500 Series is a premium wide stile entrance door designed for applications requiring superior durability, security, and performance. Featuring heavy-duty aluminum construction and large glazing capabilities, the HW500 provides lasting reliability for high-traffic commercial and institutional environments.

Engineered to withstand daily use while maintaining a professional appearance, the HW500 delivers the strength and performance expected from an Atlas entrance system.

Strong by Design. Built to Last.



Features & Benefits

- Heavy-duty 2" thick door construction
- Wide stile design for increased strength and rigidity
- Accommodates 9/16" and 1" glazing options
- Engineered for high-traffic commercial entrances
- Compatible with a variety of hardware configurations
- Durable aluminum construction
- Designed for long-term performance and reliability
- Available in anodized and painted finishes
- Ideal for schools, churches, healthcare, retail, and municipal facilities

Finishes available: Powder Coat

Top rail height: 3-1/4"

Mid rail height: 6"

Bottom rail height: 9-1/2" w/ stop

Door thickness: 2"

Glazing thickness: 9/16", 1"

GENERAL:

Entrances shall be Shadow Custom Wide Stile Door Frames as manufactured by ATLAS Architectural Metals, Inc. Houston, TX. As shown on architectural details.

MATERIAL:

All sections of doors and frames shall be extruded members having the properties of Architectural Alloy 6063-T5, screws shall be of plated steel, aluminum or dull chrome plated brass or bronze.

FINISH:

All exposed surfaces shall be free of scratches and other serious blemishes. Aluminum moldings shall be given a caustic etch followed by an anodic oxide treatment to obtain... (Specify one of the following).

...an Architectural Dark Bronze Class II anodic coating with color conforming to Aluminum Association Standard AA-M10 C22 A34, .4 Mill coating.

...an Architectural 204-R1 anodic coating conforming to Aluminum Association Standard AA-M10 C22 A31 .4 Mill coating.

HARDWARE:

All stock doors shall have standard hardware furnished by the door manufacture. Special hardware for custom built doors and special entrances shall be specified by the architect. Hardware furnished by others shall be sent to the door manufacturer for application.

FABRICATION:

Doors shall have 5" vertical stiles, 3-3/4" top rails, 9-1/2" bottom rails, 6" mid-rail with wall thickness of 3/16". Corners shall have hairline joints and be fastened with mechanical fasteners. "Dimensions given are without stops".

At the meeting stile on all pairs a double row of wool pile weathering, uninterrupted by hardware, shall be inserted into a full-length adjustable astragal that is attached to the active door leaf.

All doors shall have an adjustable glass setting block in the top rail.

Frames shall be extruded sections with size depending upon the strength of construction required. When door stops are used, they shall include a pile weather-strip which will also provide a cushioning effect.

Glazing members on doors and frames shall be of such design that they are snapped in, eliminating the use of exposed screws. The minimum wall thickness shall not be less than .0125". The glazing on both sides of glass shall receive a vinyl glazing bead and wet glazed application on exterior. "Option" for 1" will require wet glazed on both sides.

ERECTION: All openings shall be prepared plumb and square by others. Doors and frames shall be installed in the opening plumb and in true alignment.

PART 1 GENERAL

1. DESCRIPTION:

Work Included: The glazing contractor shall furnish all necessary materials, labor and equipment for the complete installation of aluminum entrance, door, door frames and hardware as detailed on the drawings and specified herein.

Work not Included: Structural support of the framing system, wood framing, structural steel, masonry and final cleaning.

1.2 QUALITY ASSURANCE

When substitute products are to be considered, supporting technical literature, samples and drawings must be submitted ten (10) days prior to bid date in order to make a valid comparison of the products involved.

PART 2 PRODUCT MATERIAL

2. GENERAL:

Door members shall be extruded architectural aluminum 6063-T5 alloy and temper. Major portions of all door sections, except glazing beads, shall be nominal 0.125 (3.2) inch. Screws, nuts, washers, bolts, rivets and other fastening devices shall be aluminum, stainless steel or other non-corrosive materials.

2.2 DOOR CONSTRUCTION

Door stiles and rails shall be tubular sections accurately joined at corners with heavy concealed reinforcement brackets secured with bolts, screws and adjustable bottom rail. Doors shall have snap in stops with E.P.D.M. glazing gasket on both sides of the glass. No exposed screws shall be permitted.

Butt hung door frame shall have weather-stripped door stops at jambs and header.

2.3 HARDWARE

If custom hardware is to be furnished by others, templates and physical hardware must be submitted prior to any fabrication. Doors shall be supplied prepped for butt hinges with back up plates installed.

One leaf of pair of doors will be prepped for strike plate with back up plate installed. Doors will be prepped for cylindrical or mortise latchet.

2.4 FINISH

All exposed framing surfaces shall be free of scratches and other serious blemishes. Aluminum extrusions shall be given a caustic etch followed by an anodic oxide treatment.

PART 3 EXECUTION INSTALLATION

3. DESCRIPTION:

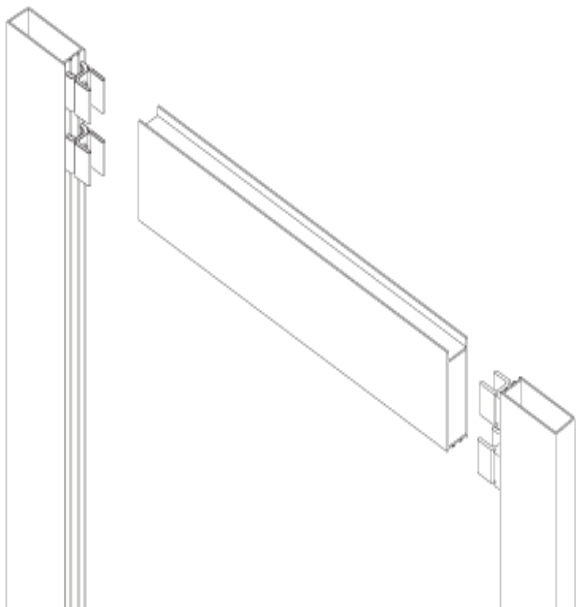
All items under this heading shall be set in their correct locations as shown in the details and shall be level, square, plumb and at proper elevation and in alignment with other work in accordance with the manufacturer's installation instructions and approved shop drawings.

Upon completion of the installation of the entrances, it shall be the contractor's responsibility to make all necessary final adjustments to attain normal operation of each door and its mechanical hardware.

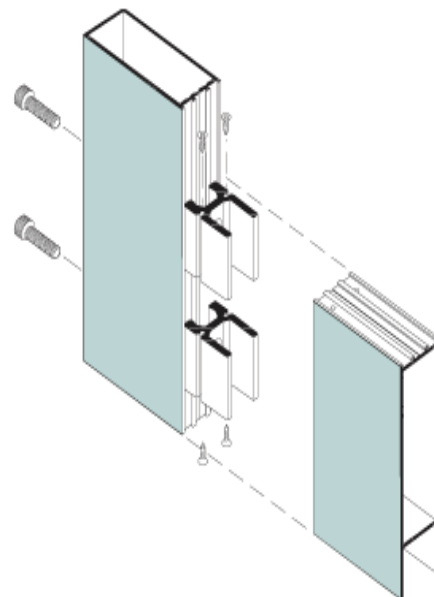
3.2 PROTECTION AND CLEANING

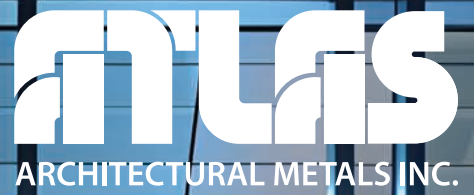
After installation the General Contractor shall adequately protect exposed portions of the aluminum entrance work from damage by grinding and polishing compounds, plaster, lime, acid, cement or other contaminants. The General Contractor shall be responsible for final cleaning.

CORNER CONSTRUCTION



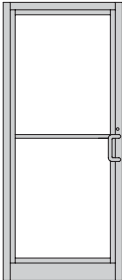
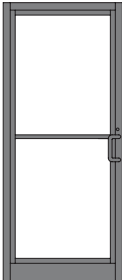
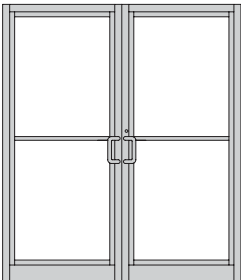
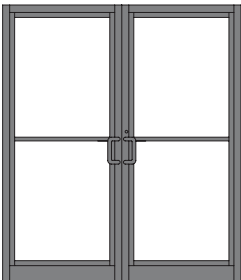
ADJUSTABLE ADA BOTTOM RAIL





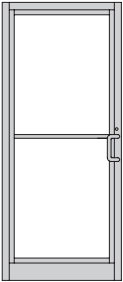
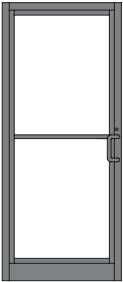
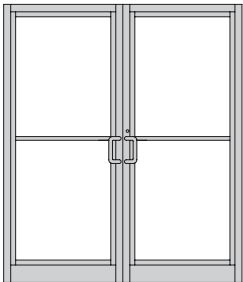
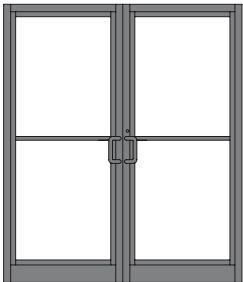
Stock Doors & Frames

Narrow Stile

ITEM	SIZE	FINISH	HAND	INV. NUMBER
	3' 0" X 7' 0"	CLEAR	RIGHT	5000/CXRX 6001/CXRX10"
			LEFT	5000/CXLX 6001/CXLX10"
	3' 0" X 7' 0"	BRONZE	RIGHT	5000/BXRX 6001/BXRX10"
			LEFT	5000/BXLX 6001/BXLX10"
	6' 0" X 7' 0"	CLEAR	INACTIVE DOOR ONLY	5001/CXIX 6001/CXIX10"
			ACTIVE DOOR ONLY	5001/CXAX 6001/CXAX10"
	6' 0" X 7' 0"	BRONZE	INACTIVE DOOR ONLY	5001/BXIX 6001/BXIX10"
			ACTIVE DOOR ONLY	5001/BXAX 6001/BXAX10"

(Note: All doors prepped and provide: ms 1850 lock, std offset pivots, wire push and pull open- for 3/16" glass, doors 6001 are equipped 10" Bottom Rail).

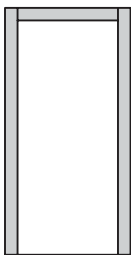
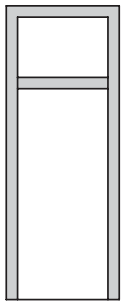
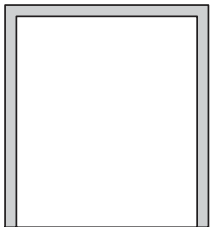
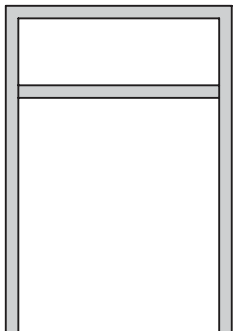
Medium Stile

ITEM	SIZE	FINISH	HAND	INV. NUMBER
	3' 0" X 7' 0"	CLEAR	RIGHT	6000/CXRX
			LEFT	6000/CXLX
	3' 0" X 7' 0"	BRONZE	RIGHT	6000/BXRX
			LEFT	6000/BXLX
	6' 0" X 7' 0"	CLEAR	INACTIVE DOOR ONLY	6000/CXIX
			ACTIVE DOOR ONLY	6000/CXAX
	6' 0" X 7' 0"	BRONZE	INACTIVE DOOR ONLY	6000/BXIX
			ACTIVE DOOR ONLY	6000/BXAX

(Note: All doors prepped and provide: ms 1850 lock, std offset pivots, wire push and pull open- for 3/16" glass, doors 6001 are equipped 10" Bottom Rail).

Stock Frames

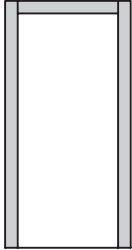
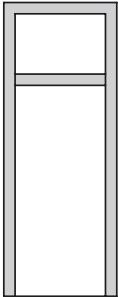
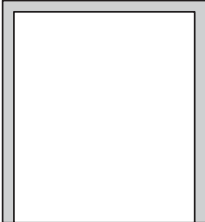
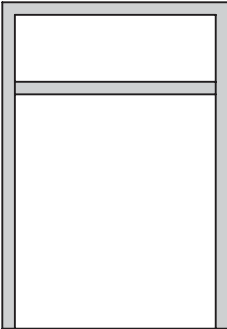
1-3/4" X 4-1/2"

ITEM	SIZE	FINISH	HAND	INV. NUMBER
	3' 0" X 7' 0" (NON-TRANSOM)	CLEAR	RIGHT	5100/CXRX
		BRONZE	RIGHT	5100/BXRX
		CLEAR	LEFT	5100/CXLX
		BRONZE	LEFT	5100/BXLX
	3' 0" X 7' 0" (TRANSOM UP TO 10' 6")	CLEAR	RIGHT	5101/CXRX
		BRONZE	RIGHT	5101/BXRX
		CLEAR	LEFT	5101/CXLX
		BRONZE	LEFT	5101/BXLX
	6' 0" X 7' 0" (NON-TRANSOM)	CLEAR	PAIR	5102/CXXX
		BRONZE	PAIR	5102/BXXX
	6' 0" X 7' 0" (TRANSOM UP TO 10' 6")	CLEAR	PAIR	5103/CXXX
		BRONZE	PAIR	5103/BXXX

(Note: All frames prepped only for std offset pivot and lock cutout)

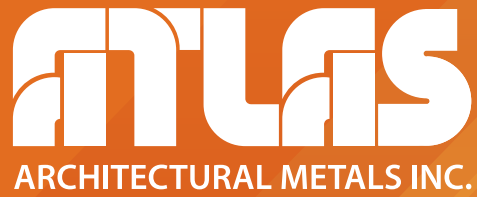
Stock Frames

2" X 4-1/2"

ITEM	SIZE	FINISH	HAND	INV. NUMBER
	3' 0" X 7' 0" (NON-TRANSOM)	CLEAR	RIGHT	5104/CXRX
		BRONZE	RIGHT	5104/BXRX
		CLEAR	LEFT	5104/CXLX
		BRONZE	LEFT	5104/BXLX
	3' 0" X 7' 0" (TRANSOM UP TO 10'-6")	CLEAR	RIGHT	5105/CXRX
		BRONZE	RIGHT	5105/BXRX
		CLEAR	LEFT	5105/CXLX
		BRONZE	LEFT	5105/BXLX
	6' 0" X 7' 0" (NON-TRANSOM)	CLEAR	PAIR	5106/CXXX
		BRONZE	PAIR	5106/BXXX
	6' 0" X 7' 0" (TRANSOM UP TO 10' 6")	CLEAR	PAIR	5107/CXXX
		BRONZE	PAIR	5107/BXXX

((Note: All frames prepped only for std offset pivot and lock cutout))

CALL FOR LEAD TIME



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