



## Part 1 - GENERAL

Scope - The aluminum sliding door system shall be \_\_\_\_\_ Series as manufactured by METRO ALUMINUM Products Ltd. Supply and install glazed aluminum sliding doors, as described on the architectural drawings and as specified herein.

Work Not Included - See: Specifier's lists of excluded items; Items furnished but not installed and/or Items installed but not furnished.

Related Work Specified Elsewhere - See: Specifier's lists and related Sections.

Design & Performance Requirements - Sliding doors to fully comply with applicable standard specifications as typically referenced to the following performance requirements criteria: Air Tightness, Water Tightness, Wind and Other Load resistance. (Note: Applicable Specifier's selection)

Submittals - Shop Drawings & Samples - Submit all documentation and samples for review by Consultant at one time, prior to fabrication of door products.

Quality Assurance - Provide all necessary information to show that all involved products meet or exceed the requirements of these specifications.

Delivery, Storage and Handling - Deliver, store, handle, protect and schedule materials and products so as to avoid any damage. Follow recommendations of AAMA CW-10 "Care and Handling of Architectural Aluminum from Shop to Site" and others as applicable.

## Part 2 - PRODUCTS

Materials - All materials to meet the minimum design and specifications as applicable. Any defects impairing strength, durability or appearance are not acceptable. Extruded aluminum shall be AA 6063 T6 alloy and temper with  $F_y = 110$  MPa (16 KSI) minimum. Sufficient strength and size fasteners shall be made of corrosion-resistant and compatible material such as cadmium or zinc plated carbon steel, stainless steel or aluminum, to prevent any galvanic action (electrolytic corrosion). Standard gaskets shall be for dry-dry glazing method, extruded from dense Neoprene, EPDM, or other equal material. Gasket profile shall be designed and sized to fit tight and properly seal glass-metal interfacing. Glass setting to be compatible with glass unit seals and/or other parts involved as required. Heavy-duty pile type weather-stripping to be applied to all interfacing joints between individual panels and perimeter framing as required.

System Description  System shall be (Specifier's selection) single glazed / double glazed Series: SD 1000 - Interior Multi Track Mall Sliding Door with flush recessed sill track; SD 1100 - Exterior Heavy-Duty Patio Door with fully weather-stripped stepped bottom track and double weather-stripped head, jambs and interlock - as manufactured by METRO ALUMINUM Products Ltd. Door configuration type to be: OX, XO, OOX, XOO or OXXO (Specifier's selection). System to accommodate panel sizes up to 1220 x 2440 mm (48" x 96").

Glass retention, as for dry glazing method, shall be achieved by utilizing inorganic rubber gasket on 4-sides of glass pane at interfacing with extruded aluminum glazing stop.

Head track to be equipped with woven pile to allow for necessary air tightness of the system and smooth operation of sliding panels. Interlock weather-stripping to be doubled as required. Slider operation to utilize adjustable tandem ball bearing rollers and security hook bolts. Head track to accommodate up to 19 mm (3/4") differential deflection.

Whenever substitute/alternative products are considered, supporting data to be submitted ten (10) days prior to bid date to allow for valid comparison. Approval of alternates to be confirmed in advance of bid closing by addendum only.

Fabrication - Extruded profiles shall be accurately fabricated and assembled to provide tight fit hairline joints only. Corner joinery shall utilize concealed assembly anticorrosive fasteners to allow for true and square set of frame elements. Frame assemblies shall be free of warp. Uniformly compressed glazing gaskets shall secure glass in place and uniform weather-stripping to suit air tightness and operation requirements. No exposed fasteners are permitted.

Finish - All exposed surfaces shall be finished as specified. The finish, as per AAM designation, shall be (Specifier's selection):

Standard clear anodizing to AA - M12C22A31

Standard perma bronze to AA - M12C22A44

Standard black anodized to AA - M10C21A44

Duracron acrylic enamel to AA - M12C4XR1X

Custom paint qualities and colors - Specifier's selection.

Hardware to have manufacturer's standard finish.

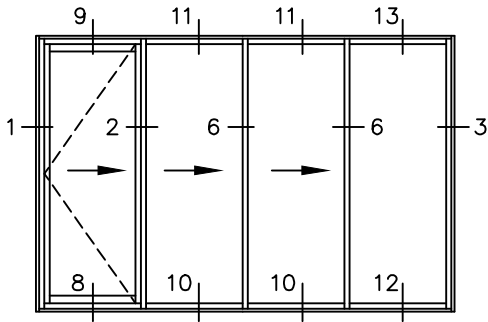
## Part 3 - EXECUTION

Installation - Prefabricated framing to be installed in prepared openings, at correct locations as shown on drawings, set level, plumb, square and aligned with other work in accordance with manufacturer's instructions, approved shop and erection drawings. Tracks and panels to be set level, plumb and parallel not exceeding overall length combined tolerance of 3 mm (1/8") from established reference lines. Anchoring shall suit perimeter conditions of rough openings and seals as required. Perimeter joints to be sealed/caulked as specified and detailed.

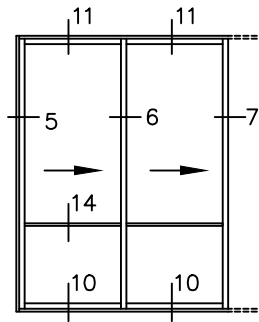
Protection and Cleaning - Work to be protected from damage during and after installation. Consult with manufacturer and installer to determine appropriate protective measures. The General Contractor shall be responsible for protection during construction and for final cleaning. After installation, aluminum work and glass to be cleaned according to instructions/manuals provided by product manufacturers and glaziers. Use appropriate cleaning materials and methods. Do not scratch or damage glass or finishes.



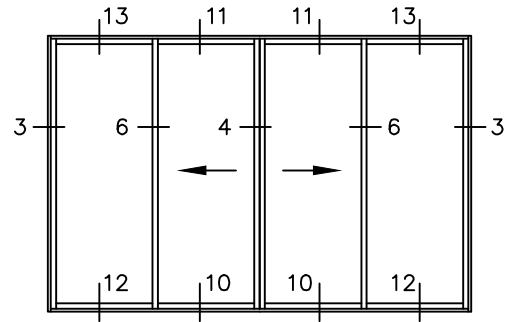
**ELEVATIONS & PLAN DETAILS**



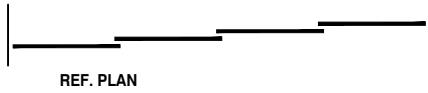
ELEVATION



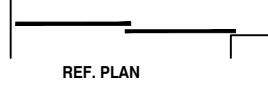
ELEVATION



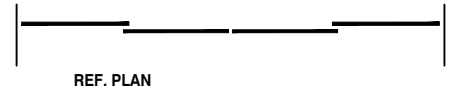
ELEVATION



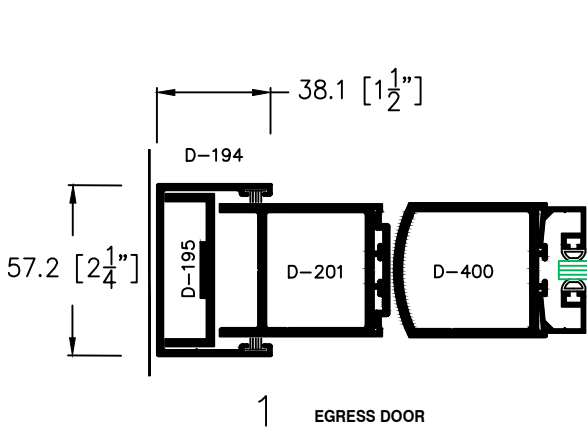
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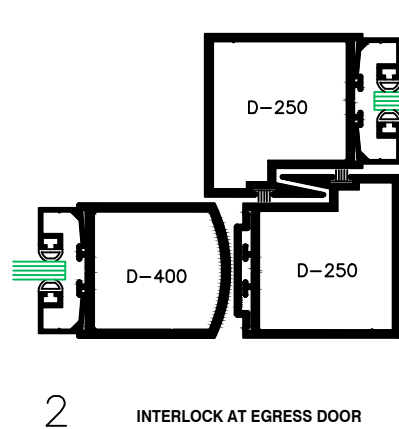
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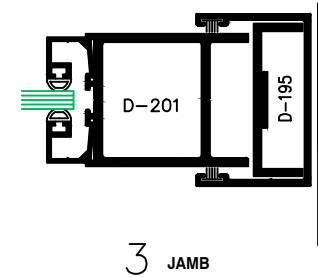
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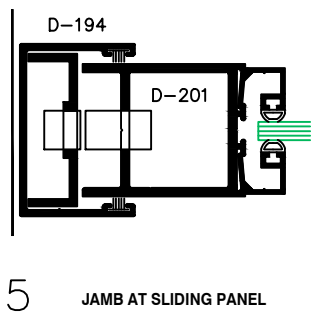
1 EGRESS DOOR



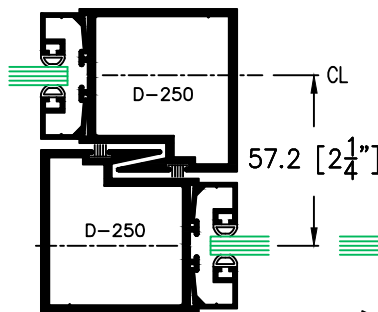
2 INTERLOCK AT EGRESS DOOR



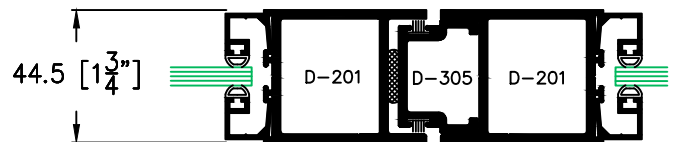
3 JAMB



5 JAMB AT SLIDING PANEL

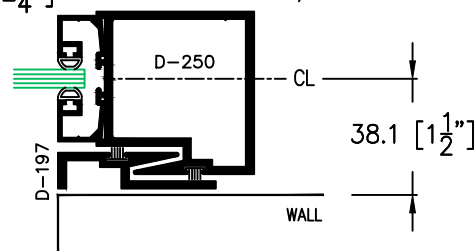


6 INTERLOCK

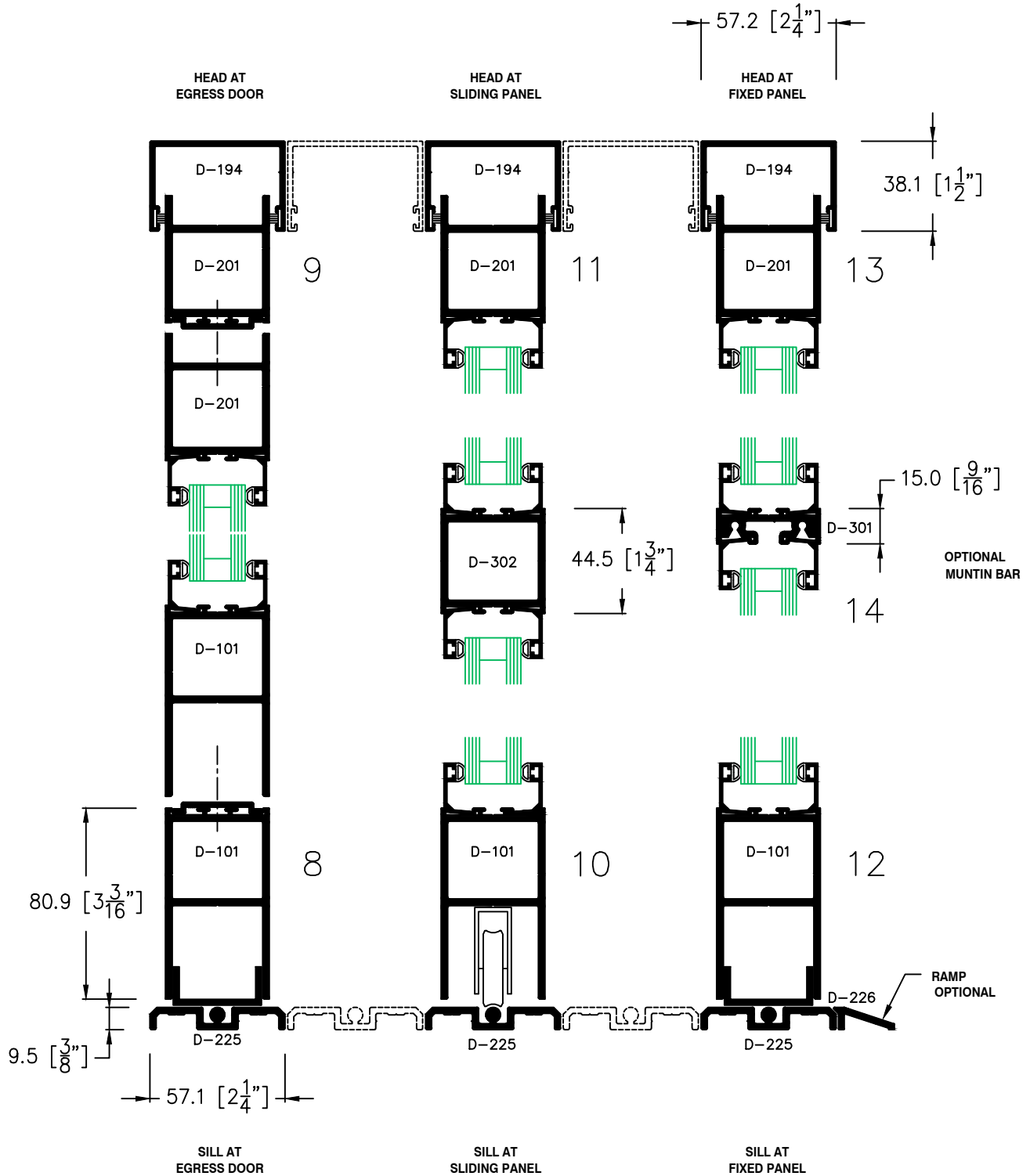


4 MEETING

7 JAMB AT WALL

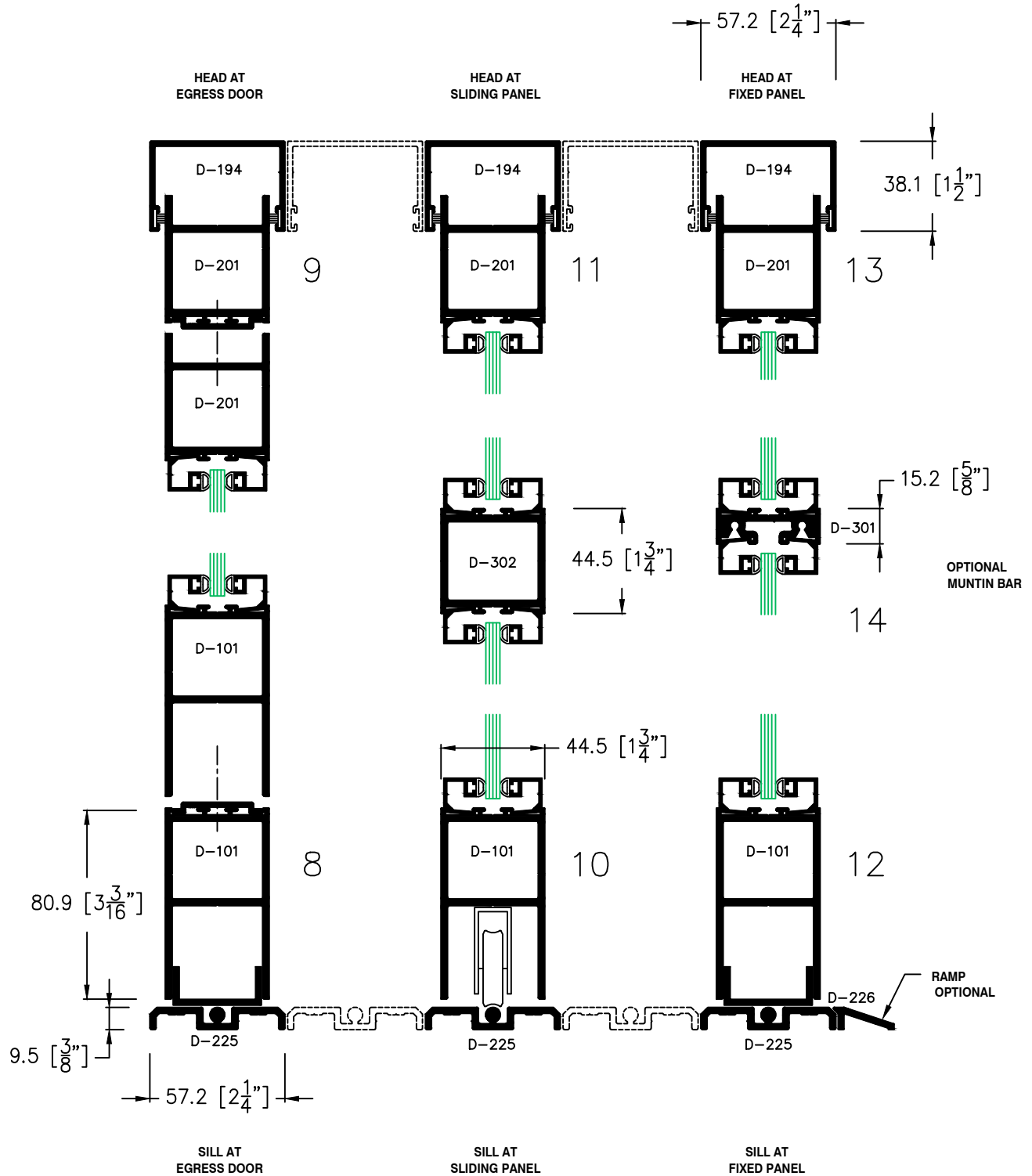


## SECTION DETAILS





SECTION DETAILS





**H-90**  
TANDEM SLIDER ROLLER



**H-90 S.S**  
TANDEM SLIDER ROLLER STAINLESS



**H-91**  
SLIDER FINGER PULL



**H-92**  
SLIDER FINGER PULL - KEYED



**H-93**  
SLIDER FINGER PULL - NO KEY



**H-94**  
SLIDER FINGER PULL - BLANK



**H-096L**  
SLIDER SINGLE POINT LOCK



**H-102**  
M.S HOOK LOCK 31/32" BS



**PD/BUMP**  
PATIO SLIDER BUMPERS



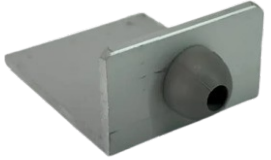
**PD/HAND**  
PATIO SLIDER SCREEN HANDLE



**PD/WHL**  
PATIO SLIDER SCREEN WHEEL



**PD/COR**  
PATIO SLIDER SCREEN INTERNAL CORNER



**H-95**  
ANGLE WITH BUMPER PUSH IN



**H-95**  
RUBBER BUMPER PUSH IN



**H-105**  
COVER PLATE