

COMMDOOR ALUMINUM DOOR SPECIFICATION

PART 1 - GENERAL

1.1 Work Included

Furnish labour, materials and services for the complete fabrication of Series [specify] Door manufactured by Commdoor Aluminum. Work to include all necessary hardware and accessories or preparation for same as required based on the purchase agreement.

1.2 Design

1.2.1 Aluminum Door Types

Commdoor regular duty doors [specify]:
Series 175 [2" (50.8mm)] narrow stile.
Series 350 [3-1/2" (88.9mm)] medium stile.
Series 500 [5" (127.0mm)] wide stile.

1.2.2 Aluminum Door Rails

Doors accept rail sizes [specify]:
2-1/4" (57.2mm), 3-7/8" (98.4mm), 4-1/8" (104.8mm), 5" (127.0mm), 6" (152.4mm), 8" (203.2mm), 10" (254.0mm) and 12" (304.8mm).

1.2.3 Door Centre Rails {Optional}

Available centre rail sizes [specify]:
Available stock: 1/4" (6mm), 13/16" (20.4mm), 1-3/4" (44.5mm) and 4" (101.6mm). Custom size [specify].

1.2.4 Door Glass Stop [specify]

Single glazed for 1/4" (5 or 6mm) or 3/8" (9 or 10mm) glass.
Sealed unit for 1" (25mm) units.

1.3 Quality Assurance

The door supplied under this specification is based upon Series (specify) manufactured by Commdoor Aluminum.

1.4 Shop Drawings

All work of this section shall be executed in strict accordance with approved shop drawings.

1.5 Warranty

The work of this section shall be guaranteed against defects of materials and workmanship for a period of one year from date of certificate of substantial completion.

PART 2 - PRODUCTS

2.1 Material

2.1.1 Aluminum Extrusion

All extruded aluminum sections to be 6063-T6 alloy or equivalent.

2.1.2 Glazing Material

All extruded thermoplastic elastomers gasket.

2.1.3 Fasteners

Fasteners shall be zinc plated.

2.2 Hardware

2.2.1 Offset Pivot

1 set of top and bottom offset pivot with matching finish. Intermediate offset pivot is optional, OR

2.2.2 Hinge

1 pair standard Butt hinges with matching finish. Intermediate or heavy duty hinges are optional, OR

2.2.3 Continuous Hinge

Doors accept most continuous hinges [specify]

2.2.4 Locking Devices

MS deadlock with [cylinder both sides] or [cylinder on exterior and thumb turn on interior].

OR

MS latch lock with cylinder on the exterior and lever handle on interior.

OR

Panic exit devices as specified.

2.2.5 Push and Pull

Type "A", type "P" and type "O" handles OR custom handles [specify].

2.2.6 Closer

Surface mounted or concealed [specify].

2.2.7 Threshold

Extruded aluminum mill finish 1/2" (12mm) high. Available in 4" (101.6mm) and 7" (177.8mm) [specify].

2.2.8 Bottom Sweep

Surface applied two part adjustable with

mohair brush.

2.3 Fabrication

Fabrication will be carried out according to the approved shop drawings. All joints will be welded using manufactures provided assembly brackets to maintain the product design performance.

2.4 Finish

2.4.1 Anodize

Anodic Oxide Treatments are to be processed in accordance with AAMA designations.

M12C22A31 class II designation is for #17 Clear anodized finish (0.0004). M12C22A41 class I designation is for #14 Clear Anodized finish (0.0007) and colour finishes such as #26 light bronze, #40 bronze and #29 black.

2.4.2 Paint

Thermosetting Acrylic Enamel coating are to be applied in accordance with AAMA 603.8. Specify colour and type from PPG. Standard charts.

2.4.3 Fluoropolymer paint Coating

Based on Kynar 500 Resins are to be applied in accordance AAMA 605.2. Specify colour from Valspar current chart.

PART 3 - EXECUTION

3.1 Protection

Exposed aluminum surface shall be protected from long term contamination of mortar, concrete, paint, mud, etc.

Doors and door frames shall be protected from impact damage by wood sheathing and plastic wraps.

3.2 Installation

Comm door Aluminum products to be installed according to manufacturers instructions and in conjunction with approved shop drawings. This work shall be performed by qualified skilled personnel ensuring proper equipment provided in order to expedite the project in an efficient professional manner.

3.3 Cleaning

Interim and final cleaning shall be performed in accordance with the general conditions listing methods outlined in AAMA 609 & 610-02 (2002).