

Part 1 - GENERAL

Description

Work included: Furnish all necessary materials, labour and equipment for the complete installation of aluminum entrance doors, door frames and hardware as detailed on the drawings and specified herein.

Work not included: See Specifier list

Related work specified elsewhere: See Specifier list

Quality Assurance

Drawings and specifications for work in this section are based upon DESA_____ series doors. (select series type: 100.350.500.100T/B.350T/B.500T/B). Whenever alternative products are to be considered, submit supporting technical literature and samples for review and comparison by Consultant.

Performance

Doors to fully comply with applicable standard specifications as typically referenced to the following requirement criteria:

Air and water tightness, wind and other load resistance.

Maintenance and Guarantee

Provide maintenance data in accordance with instructions under General Conditions.

Provide a written guarantee from substantial completion for a period of one year on the complete installation of materials and workmanship provided under this section.

Part 2 - PRODUCTS

Materials

Extrusions shall be 6063 T5 alloy and temper, formed aluminum components shall be of suitable alloy and strength to suit their purpose and function.

Fasteners shall be made of corrosion-resistant and compatible materials and of sufficient size and strength to perform their intended function.

Glazing gaskets shall be extruded black, closed cell or dense elastomer of durometer appropriate to perform their intended function.

Weathering shall be elastomeric or wool pile and of size and density appropriate for their intended function.

Fabrication

Construct door from extrusions of size and shape as shown on shop drawings, rails and stiles shall be porthole type extrusions.

Corner joinery shall be accurately assembled with mechanical clip fasteners and deep penetration plug and fillet welds.

Finish

All exposed surfaces shall be free of scratches and defects. Aluminum extrusions shall be finished as selected by Specifier.

Standard Clear Anodizing: AA-M12C22A31

Standard Bronze Anodizing: AA-M12C22A34

Standard Black Anodizing: AA-M12C22A44

Duracron Acrylic Enamel: AAMA 2603

Duranar Fluoropolymer paint: AAMA 2605

Various Bronze Anodizing colours and Paint qualities are available upon request by the Specifier.

Hardware

Hardware shall be the entrance manufacturers standard unless stated otherwise by the Specifier. If alternative hardware is selected by consultant the required templates and physical hardware must be submitted for assembly and fabrication.

Installation

Doors shall be installed, glazed and adjusted according to the manufacturers instructions and approved shop drawings.

All items in this section shall be set level, square and plumb and at their correct location and alignment with other work.



Part 1 - GENERAL

Description

Work included: Furnish all necessary materials, labour and equipment for the complete installation of aluminum entrance and window frames as detailed on the drawings and specified herein.

Work not included: See Specifier list

Related work specified elsewhere: See Specifier list

Quality Assurance

Drawings and specifications for work in this section are based upon DESA _____ series framing system. (select series type: 175.200.400). Whenever alternative products are to be considered, submit supporting technical literature and samples for review and comparison by Consultant.

Performance

Framing system to fully comply with applicable standard specifications as typically referenced to the following requirement criteria: Air and water tightness, wind and other load resistance.

Maintenance and Guarantee

Provide maintenance data in accordance with instructions under General Conditions.

Provide a written guarantee from substantial completion for a period of one year on the complete installation of materials and workmanship provided under this section.

Part 2 - PRODUCTS

Materials

Extrusions shall be 6063 T5 alloy and temper, formed aluminum components shall be of suitable alloy and strength to suit their purpose and function.

Fasteners shall be made of corrosion-resistant and compatible materials and of sufficient size and strength to perform their intended function.

Glazing gaskets shall be extruded black, closed cell or dense elastomer of durometer appropriate to perform their intended function.

Weathering shall be elastomeric or wool pile and of size and density appropriate for their intended function.

Selected framing system shall be:

-175 series 1 3/4" (44.5) and/or 200 series 2" (50.8) for flush glazing, both maintaining their nominal face dimensions with no projecting glass stops except where necessary in door transom lites.

-400 series 1 3/4" (44.5) for stop glazing, additional glass stop dimension of 3/4" (19.0) must be added to nominal face dimension of framing.

Fabrication

Construct framing from extrusions of size and shape as shown on shop drawings. All framing joints shall be accurately cut and machined to allow neat watertight connections with all extrusions. Framing systems shall be designed for either shear block or screw spline corner joinery.

Finish

All exposed surfaces shall be free of scratches and defects. Aluminum extrusions shall be finished as selected by Specifier.

Standard Clear Anodizing: AA-M12C22A31

Standard Bronze Anodizing: AA-M12C22A34

Standard Black Anodizing: AA-M12C22A44

Duracron Acrylic Enamel: AAMA 2603

Duracron Fluoropolymer paint: AAMA 2605

Various Bronze Anodizing colours and Paint qualities are available upon request by the Specifier.

Installation

Framing shall be installed, glazed and adjusted accordingly to the manufacturer's instructions and approved shop drawings. All items in this section shall be set level, square and plumb and at their correct location and alignment with other work.



Part 1 - GENERAL

Description

Work included: Furnish all necessary materials, labour and equipment for the complete installation of aluminum entrance doors, door frames and hardware as detailed on the drawings and specified herein.

Work not included: See Specifier list

Related work specified elsewhere: See Specifier list

Quality Assurance

Drawings and specifications for work in this section are based upon DESA S1000 series sliding doors. Whenever alternative products are to be considered, submit supporting technical literature and samples for review and comparison by Consultant.

Performance

Doors to fully comply with applicable standard specifications as typically referenced to the following requirement criteria: Air and water tightness, wind and other load resistance.

Maintenance and Guarantee

Provide maintenance data in accordance with instructions under General Conditions.

Provide a written guarantee from substantial completion for a period of one year on the complete installation of materials and workmanship provided under this section.

Part 2 - PRODUCTS

Materials

Extrusions shall be 6063 T5 alloy and temper, formed aluminum components shall be of suitable alloy and strength to suit their purpose and function.

Fasteners shall be made of corrosion-resistant and compatible materials and of sufficient size and strength to perform their intended function.

Glazing gaskets shall be extruded black, closed cell or dense elastomer of durometer appropriate to perform their intended function.

Weathering shall be elastomeric or wool pile and of size and density appropriate for their intended function.

Fabrication

Construct door from extrusions of size and shape as shown on shop drawings, rails and stiles shall be porthole type extrusions.

Corner joinery shall be accurately assembled with mechanical clip fasteners and deep penetration plug and fillet welds.

Finish

All exposed surfaces shall be free of scratches and defects. Aluminum extrusions shall be finished as selected by Specifier.

Standard Clear Anodizing: AA-M12C22A31

Standard Bronze Anodizing: AA-M12C22A31

Standard Black Anodizing: AA-M12C22A44

Duracron Acrylic Enamel: AAMA 2603

Duramar Fluoropolymer Paint: AAMA 2605

Various Bronze Anodizing colours and Paint qualities are available upon request by the Specifier.

Hardware

Hardware shall be the entrance manufacturers standard unless stated otherwise by the Specifier. If alternative hardware is selected by consultant the required templates and physical hardware must be submitted for assembly and fabrication.

Installation

Doors shall be installed, glazed and adjusted accordingly to the manufacturers instructions and approved shop drawings. All items in this section shall be set level, square and plumb and at their correct location and alignment with other work.



Windows can be divided into two classifications: fixed and operating :

Fixed windows can be designed as punched openings or horizontal strip windows, with or without vertical and horizontal intermediate mullions.

Operating windows are projected or side hinged and can be designed to open in or out. Operating windows are usually combined with fixed glazing areas and rather than attempt to achieve both the fixed and ventilating functions with one product, it is often beneficial to select a fixed window product with an operating insert vent at appropriate intervals.

Part 1 - GENERAL

Description

Work included: Furnish all necessary materials, labour and equipment for the complete installation of aluminum entrance and window frames as detailed on the drawings and specified herein.

Work not included: See Specifier list

Related work specified elsewhere: See Specifier list

Quality Assurance

Drawings and specifications for work in this section are based upon DESA _____ series framing system. (select type: 20 and/or 90, 115 series). Whenever alternative products are to be considered, submit supporting technical literature and samples for review and comparison by Consultant.

Performance

Framing system to fully comply with applicable standard specifications as typically referenced to the following requirement criteria: Air and water tightness, wind and other load resistance.

Maintenance and Guarantee

Provide maintenance data in accordance with instructions under General Conditions.

Provide a written guarantee from substantial completion for a period of one year on the complete installation of materials and workmanship provided under this section.

Part 2 - PRODUCTS

Materials

Extrusions shall be 6063 T5 alloy and temper, formed aluminum components shall be of suitable alloy and strength to suit their purpose and function.

Fasteners shall be made of corrosion-resistant and compatible materials and of sufficient size and strength to perform their intended function.

Glazing gaskets shall be extruded black, closed cell or dense elastomer of durometer appropriate to perform their intended function.

Weathering shall be elastomeric or wool pile and of size and density appropriate for their intended function.

Selected framing system shall be:

-20 series 2 3/16" (56.2) depth thermally improved operating window framing system for sealed unit glazing..

-90 series 3 1/2" (89.0) depth thermally improved fixed window framing system for sealed unit glazing.

-115 series 4 1/2" (114.0) depth thermally improved fixed window framing system for sealed unit glazing.

Fabrication

Construct framing from extrusions of size and shape as shown on shop drawings. All framing joints shall be accurately cut and machined to allow neat watertight connections with all extrusions. Framing systems shall be designed for screw spline corner joinery.

Finish

All exposed surfaces shall be free of scratches and defects. Aluminum extrusions shall be finished as selected by Specifier.

Standard Clear Anodizing: AA-M12C22A31 Duracron Acrylic Enamel: AAMA 2603

Standard Bronze Anodizing: AA-M12C22A34 Duranar Fluoropolymer Paint: AAMA 2605

Standard Black Anodizing: AA-M12C22A44

Various Bronze Anodizing colours and Paint qualities are available upon request by the Specifier.

Installation

Framing shall be installed, glazed and adjusted accordingly to the manufacturer's instructions and approved shop drawings. All items in this section shall be set level, square and plumb and at their correct location and alignment with other work.



Part 1 - GENERAL

Description

Work included: Furnish all necessary materials, labour and equipment for the complete installation of aluminum entrance and window frames as detailed on the drawings and specified herein.

Work not included: See Specifier list

Related work specified elsewhere: See Specifier list

Quality Assurance

Drawings and specifications for work in this section are based upon DESA _____ series framing system. (select type: 45 or 2500 series). Whenever alternative products are to be considered, submit supporting technical literature and samples for review and comparison by Consultant.

Performance

Framing system to fully comply with applicable standard specifications as typically referenced to the following requirement criteria: Air and water tightness, wind and other load resistance.

Maintenance and Guarantee

Provide maintenance data in accordance with instructions under General Conditions.

Provide a written guarantee from substantial completion for a period of one year on the complete installation of materials and workmanship provided under this section.

Part 2 - PRODUCTS

Materials

Extrusions shall be 6063 T5 alloy and temper, formed aluminum components shall be of suitable alloy and strength to suit their purpose and function.

Fasteners shall be made of corrosion-resistant and compatible materials and of sufficient size and strength to perform their intended function.

Glazing gaskets shall be extruded black, closed cell or dense elastomer of durometer appropriate to perform their intended function.

Weathering shall be elastomeric or wool pile and of size and density appropriate for their intended function.

Insulated back pans in column or spandrel areas shall be galvanized steel of 20 gauge thickness (or as specified to suit application) and have sealed corners. Insulation shall be AF530 (48kg/m (3 lb.) density) fibreglass 51mm (2") thick (or as specified to suit application). Securing of insulation into back-up panel shall be by impaling insulation onto welded pins with retaining discs.

Any connections between the back-up panels and framing shall be caulked with high grade butyl sealant.

Selected framing system shall be:

-45 series 1 3/4" (45) wide thermally improved curtain wall framing for sealed unit glazing.

-2500 series 2 1/2" (63.5) wide thermally improved curtain wall framing for sealed unit glazing

Both systems offer vented horizontal mullion glazing pockets achieving full rain screen capabilities.

Fabrication

Construct framing from tubular extruded sections of size and shape as shown on shop drawings. All framing joints shall be accurately cut and machined to allow neat watertight connections and be designed for shear block joinery with all extrusions.

Vertical expansion joints shall be sleeved and sealed at meeting mullion ends. All structural anchors shall have 3 way adjustment with welding completed after curtain wall is aligned.

Finish

All exposed surfaces shall be free of scratches and defects. Aluminum extrusions shall be finished as selected by Specifier.

Standard Clear Anodizing: AA-M12C22A31

Standard Bronze Anodizing: AA-M12C22A34

Standard Black Anodizing: AA-M12C22A44

Duracron Acrylic Enamel: AAMA 2603

Duranar Fluoropolymer paint: AAMA 2605

Various Bronze Anodizing colours and Paint qualities are available upon request by the Specifier.

Installation

Framing shall be installed, glazed and adjusted accordingly to the manufacturer's instructions and approved shop drawings.

All items in this section shall be set level, square and plumb and at their correct location and alignment with other work.



Part 1 - GENERAL

Description

Work included: Furnish all necessary materials, labour and equipment for the complete installation of aluminum skylight systems as detailed on the drawings and specified herein.

Work not included: See Specifier list

Related work specified elsewhere: See Specifier list

Quality Assurance

Drawings and specifications for work in this section are based upon **DESA 6400** series framing system. Whenever alternative products are to be considered, submit supporting technical literature and samples for review and comparison by Consultant.

Performance

Framing system to fully comply with applicable standard specifications as typically referenced to the following requirement criteria: Air and water tightness, wind and other load resistance.

Maintenance and Guarantee

Provide maintenance data in accordance with instructions under General Conditions.

Provide a written guarantee from substantial completion for a period of one year on the complete installation of materials and workmanship provided under this section.

Part 2 - PRODUCTS

Materials

Extrusions shall be 6063 T5 alloy and temper, formed aluminum components shall be of suitable alloy and strength to suit their purpose and function.

Fasteners shall be made of corrosion-resistant and compatible materials and of sufficient size and strength to perform their intended function.

Glazing gaskets shall be extruded black, closed cell or dense elastomer of durometer appropriate to perform their intended function.

Weathering shall be elastomeric of size and density appropriate for their intended function.

Selected framing system shall be:

-6400 series 2 1/2" (63.5) wide thermally improved skylight framing system for sealed unit glazing.

This system incorporates gutters in the horizontal purlins and provides drainage channels that lead to exterior weep holes achieving full rain screen capabilities.

Fabrication

Construct framing from extrusions of size and shape as shown on shop drawings. All framing joints shall be accurately cut and machined to allow neat watertight connections with all extrusions. Rafters and purlins within the system shall be designed with 1/2" vertical offset overlap joinery allowing moisture to enter the rafter drainage channels.

Finish

All exposed surfaces shall be free of scratches and defects. Aluminum extrusions shall be finished as selected by Specifier.

Standard Clear Anodizing: AA-M12C22A31

Standard Bronze Anodizing: AA-M12C22A34

Standard Black Anodizing: AA-M12C22A44

Duracron Acrylic Enamel: AAMA 2603

Duracron Fluoropolymer Paint: AAMA 2605

Various Bronze Anodizing colours and Paint qualities are available upon request by the Specifier.

Installation

Framing shall be installed, glazed and adjusted accordingly to the manufacturer's instructions and approved shop drawings. All items in this section shall be set level, square and plumb and at their correct location and alignment with other work.

