

ARCHITECTURAL SPECIFICATIONS: PC350 ALUMINUM SWING DOOR FRAMES & SIDELIGHT FRAMES



08 11 16

ALUMINUM SWING DOOR FRAMES & SIDELIGHT FRAMES

PARTITION COMPONENTS INCORPORATED (PC350)

GENERAL

1.1 SCOPE

- A. Furnish and install PC350 Elite Doors and Frames as indicated on construction drawings and specified here after.

1.2 DOCUMENTS

- A. Product data: Submit printed product literature, detail drawings, specifications and samples, include finishes as supplied by manufacturer,
PC350, 130 Nolan Court, Markham, ON L3R 2V7, (905) 475 6022 www.PC350.com
- B. Shop Drawings: Submit shop drawings to indicate [materials], [thicknesses], [finishes], [methods of anchorage], [supports], [reinforcements], [assembly details], [accessories], [height and width dimensions], as supplied by manufacturer,
PC350, 130 Nolan Court, Markham, ON L3R 2V7, (905) 475 6022 www.PC350.com

1.3 REQUIREMENTS

- A. Installer qualifications: Engage an experienced installer who has completed installations of PC350 doors and framing of similar design and extent to those of the above mentioned project, and who has a record of successful performance.
- B. Manufacturer qualifications: Provide all glass fronts and doors produced by PC350
- C. Obtain all glass fronts from a single manufacturer to ensure full compatibility and warranty of materials.
- D. Provide tempered glass components that comply with ANSI Z97.1 and testing requirements of CPSC 16 CFR 1201 Category II.
- E. **AAMA 603.8** – Voluntary Performance Requirements and Test Procedures for Pigmented Organic Coatings on Extruded Aluminum.
- F. **AA-M12-C22-A21** – Voluntary Guide Specification and Inspection Methods for Clear Anodize Finished for Architectural Aluminum.
- G. **AA-M12-C22-A44** – Voluntary Guide Specification and Inspections Methods for Electrostatic Deposited Colour Anodic Finished for Architectural Aluminum.

1.4 GUARANTEES

- A. Door Manufacturer (PC350) shall guarantee the frames against defective material and workmanship which shall appear within a period of seven (7) years from the date of the architects' certificate of substantial completion. For further information please refer to PC350 warranty document, which is available on request.

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PRODUCTS

2.1 MATERIALS

- A. All sections shall be comprised of Aluminum extrusions of 6063 alloy with a T5 heat treatment.
- B. Framing wall thicknesses shall be 3.2MM (.125") on exposed surfaces and 4.75MM (.187") on internal webs.
- C. Steel members to be galvanized
- D. Provide framing with the following characteristics:
 - I. Aluminum framed swing door frame with stationary sidelight system to fit standard 3 1/2", 3 3/4", 4 5/8", 4 7/8", 5 1/2", 6 1/4", 7 1/4" wall thicknesses.
 - II. Trackless threshold: System is surface mounted to finished or unfinished floor.
 - III. Aluminum Glazed Doors/Wood Doors are 1 3/4", heights as specified.

2.2 COMPONENTS

- A. **PC350 Elite Door Frame System:** Provide frames with the following characteristics:
 - Rectilinear design.
 - 1 3/4 inch face profile.
 - Snap on Trim: 1 1/4" Aluminum or 1 3/4" Aluminum.
 - Other Trim options as selected from manufacturer's catalogue.
 - 0.070 inch rabbet wall thickness.
 - Throat sizes 3 1/2" up to 7 1/4"
- B. Aluminum: Controlled alloy billets of 6063 T5, to assure compliance with tight dimensional tolerances and maintain color uniformity.

2.3 FINISH

- A. Factory finish extruded frame components so that any part exposed to view upon completion of installation will be uniform in finish and color.
- B. Standard PC350 Powder Coat Finish: Comply with AAMA 2603.2002; multiple-stage electrostatic applied thermoset polyester finish, baked to assure hardness.
- C. Clear anodic coating: Comply with AAMA 607.1.
- D. Class 2, AA-M12C22A31 clear anodized coating, 0.4-.07 mill thickness minimum.

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PC
350
ARCHITECTURAL
WALLS

EXECUTIONS

3.1 CONDITIONS

- A. Deliver all Aluminum door frames and glazing screen material and related components in the manufacturer's provided protective packaging. Do not deliver until ready for installation.
- B. Inspect all components for damage upon delivery.
- C. Deliver, store and handle materials in accordance with PC350 written instructions.
- D. Store all materials indoors, in dry locations. Ensure that materials do not come into direct contact with ground or damp substrates.

3.2 ASSEMBLY

- A. The awarded contractor shall be responsible for installation of all materials as specified above.
- B. Once door is hung and glazed contractor shall check and re-adjust, as required, all aspects including, but not limited to; operating hardware installed under this section.

3.3 APPLICATION

- A. Comply with PC350 printed installation instructions and approved shop drawings.
- B. Strictly adhere to PC350 shop drawings specified widths and heights to ensure excellent fit and finish.

3.4 FINISHING

- A. Once installation of door and hardware is complete, inspect door, frame and hardware to ensure proper function as intended.
- B. Adjustments may be necessary to ensure that door travels appropriately within the opening.

3.5 COMPLETION

- A. Clean exposed frames promptly after installation, using ammonia free, water based cleaner.
- B. Touch up marred areas so that affected areas are not visible from a distance of 3 feet.

Disclaimer: The information contained herein is accurate as at the date of publication. However, as products may undergo changes, modifications or be subject to availability and/or evolution, it is the responsibility of the user of this information to verify that it is accurate and true to the timing of their project. PC350 assumes no liability whatsoever for the accuracy or completeness of the information contained herein. All installations and/or services must be performed by experienced persons.

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