




GUTMANN S70+ HINGE DOOR (LOW THRESHOLD)

► System Description

The Gutmann S70+ Outswing architectural doors are ideal for residential projects, condominiums, and hotels with the additional benefit of polyamide thermal barriers for enhanced thermal performance. This door is a high insulating door system that meets elevated requirements regarding thermal insulation, stability, and security. The door is ADA compliance with outstanding craftsmanship and strength. This product can be installed as a stand-alone product or easily integrated into Gutmann's systems.

- NAFS AW65 Performance Class.
- Ideal for residential and commercial application.
- Outstanding craftsmanship, strength and durability.
- Continuous compatibility of profiles/accessories and gaskets with S70+ window series, therefore fewer system accessories.
- Profiles has three chamber systems. Top rails in 3" (75mm) height and bottom rail 3" (75mm) with an optional up to 10" for ADA compliance Door.
- The standard Door has narrow 2 3/4" (70mm) frame depth with a polyamide thermal barrier for superior thermal and energy performance. This product easily integrates with other Gutmann systems.
- Out-swing operation with an option of single and double leaf door.
- Sturdy corner-blocked and crimped door leaf construction; tested in door leaf sizes up to 43" (1092mm) x 93 1/4" (2369mm).
- Accommodates 1" (25.4mm) to 1 7/8" (48mm) double glazed sealed units.
- Optional closure or concealed stop.
- Optional installation of mortise locks and striking plates with slide blocks.
- Dry glazed, using compression gaskets and innovative seals.
- Hardware with multipoint locking.
- Finishes available in a variety of standard and custom colors.
- Polyamide thermal barrier for superior thermal and energy performance.
- Average weighted system "U" value for the wall assembly shall not exceed 0.36 Btu/hr/ft²-F° for double glazed and 0.30 Btu/hr/ft²-F° with triple glazed. This value may vary according to glass selection and framing configuration.
- Life Cycle Tested to AAMA 910.

► System Properties of Classes

	Water tightness	ASTM E 547-00 (16) and ASTM E 331-00 (16) 620 Pa
	Air permeability	ASTM E 283-04 (12) 300 Pa
	Wind load	ASTM E 330-14 Structural Performance = 4680 Pa / Design Pressure = 3120 Pa



► Thermal Insulation

Uf

1.7






GUTMANN S70+ HINGE DOOR (HIGH THRESHOLD)

► System Description

The Gutmann S70+ Outswing architectural doors are ideal for mid-rise residential projects, condominiums, and hotels with the additional benefit of polyamide thermal barriers for enhanced thermal performance. This door system meets elevated requirements regarding thermal insulation, stability, and security. It can be installed as a stand-alone product or easily integrated into Gutmann's systems.

- NAFS AW65 Performance Class.
- Ideal for residential and commercial application.
- Outstanding craftsmanship, strength and durability.
- Top rail is 3" (75mm) height and bottom rail 3" (75mm) with a threshold of 1" (25mm).
- Profiles has three chamber systems. The frame depth is 2 3/4" (70mm) with a polyamide thermal barrier for superior thermal and energy performance and easily integrates with other Gutmann products.
- Out-swing operation with an option of single and double leaf door.
- Sturdy corner-blocked and crimped door leaf construction; tested in door leaf sizes up to 43 " (1092mm) x 93 1/4" (2369mm).
- Accommodates 1" (25.4mm) to 1 7/8" (48mm) double glazed sealed units.
- Optional closure or concealed stop.
- Optional installation of mortise locks and striking plates with slide blocks.
- Dry glazed, using compression gaskets and innovative seals.
- Hardware with multipoint locking.
- Finishes available in a variety of standard and custom colors.
- Average weighted system "U" value for the wall assembly shall not exceed 0.38 Btu/hr/ft²-F° for double glazed and 0.32 Btu/hr/ft²-F° with triple glazed. This value may vary according to glass selection and framing configuration.
- Life Cycle Tested to AAMA 910.

► System Properties of Classes

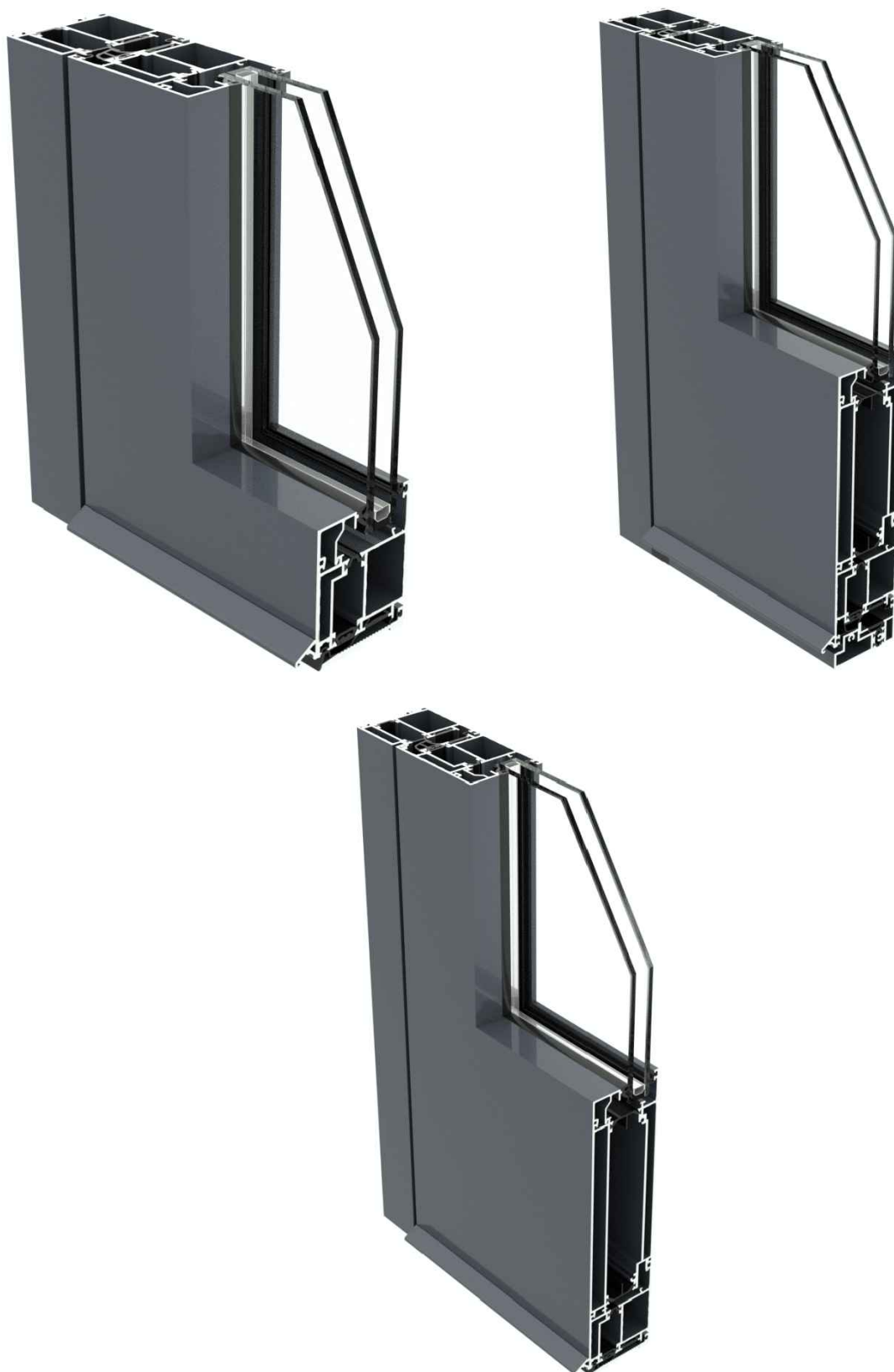
	Water tightness	ASTM E 547-00 (16) and ASTM E 331-00 (16) 720 Pa
	Air permeability	ASTM E 283-04 (12) 300 Pa
	Wind load	ASTM E 330-14 Structural Performance = 6480 Pa / Design Pressure = 4320 Pa



► Thermal Insulation

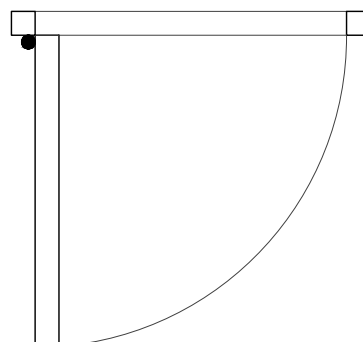
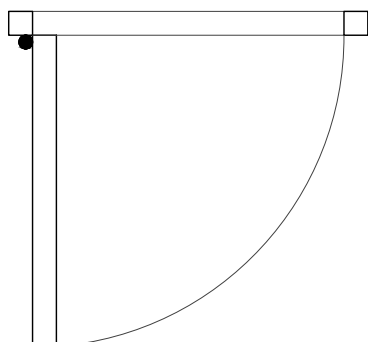
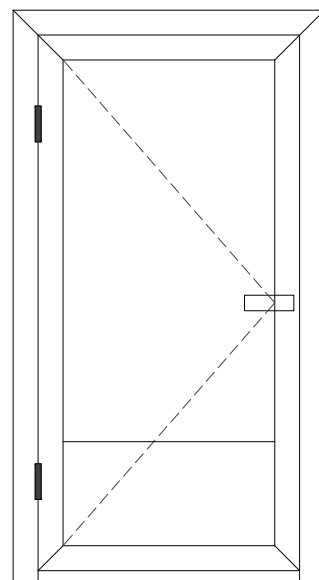
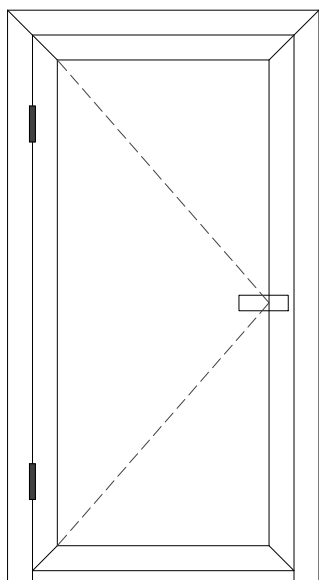


S70+ HINGED DOOR TYPICAL SYSTEM DETAILS





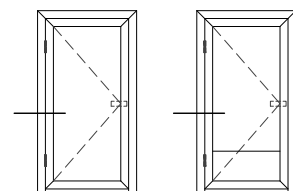
Type of Opening (View Outside)



LOW THRESHOLD
(Open-Out)
Glazing Bead Outside

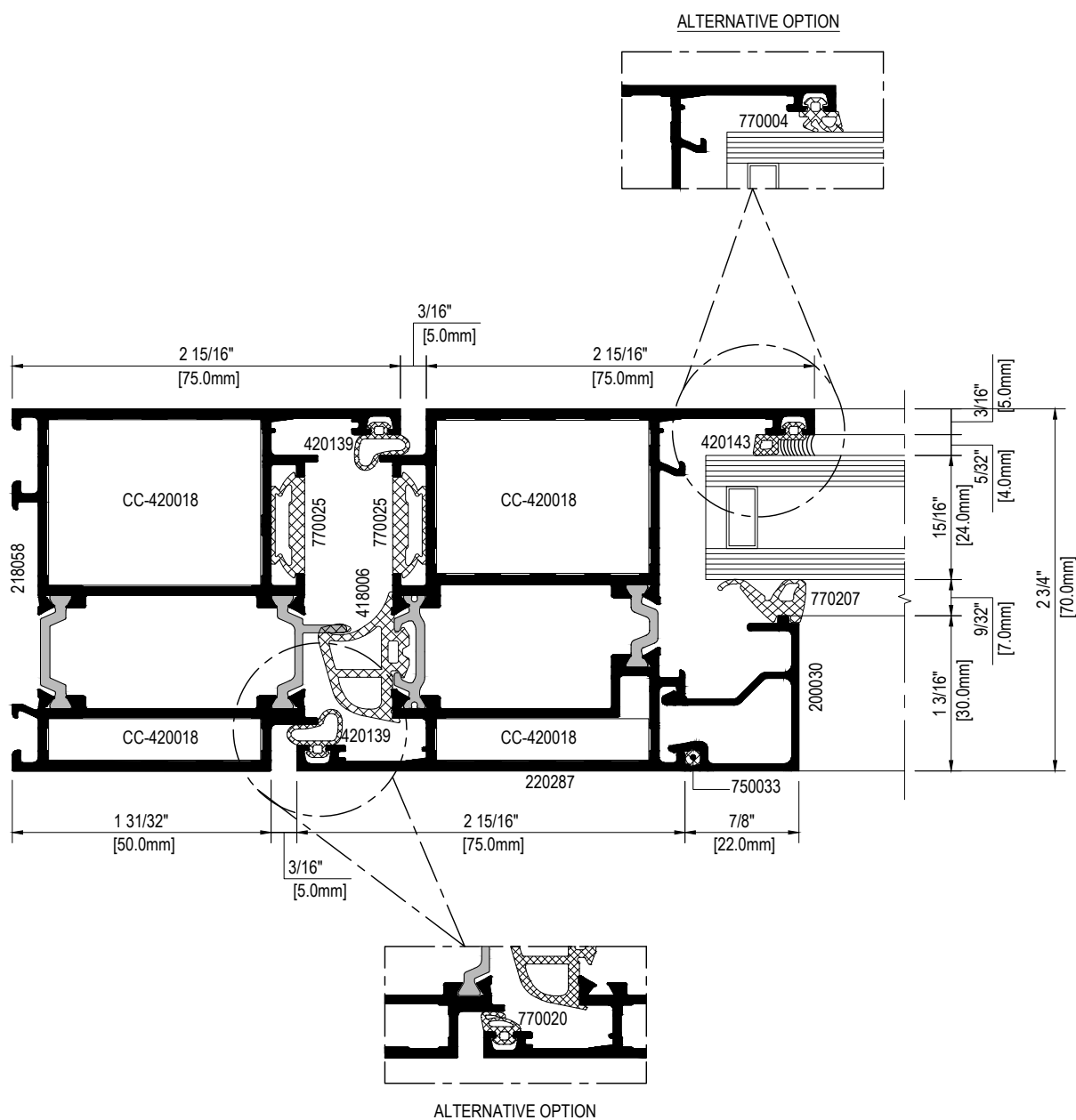
HIGH THRESHOLD
(Open-Out)
Glazing Bead Outside

Section Detail

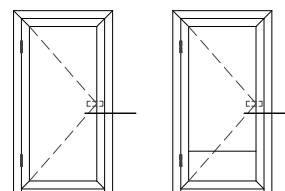


Low Threshold
(view outside)

High threshold
(view outside)

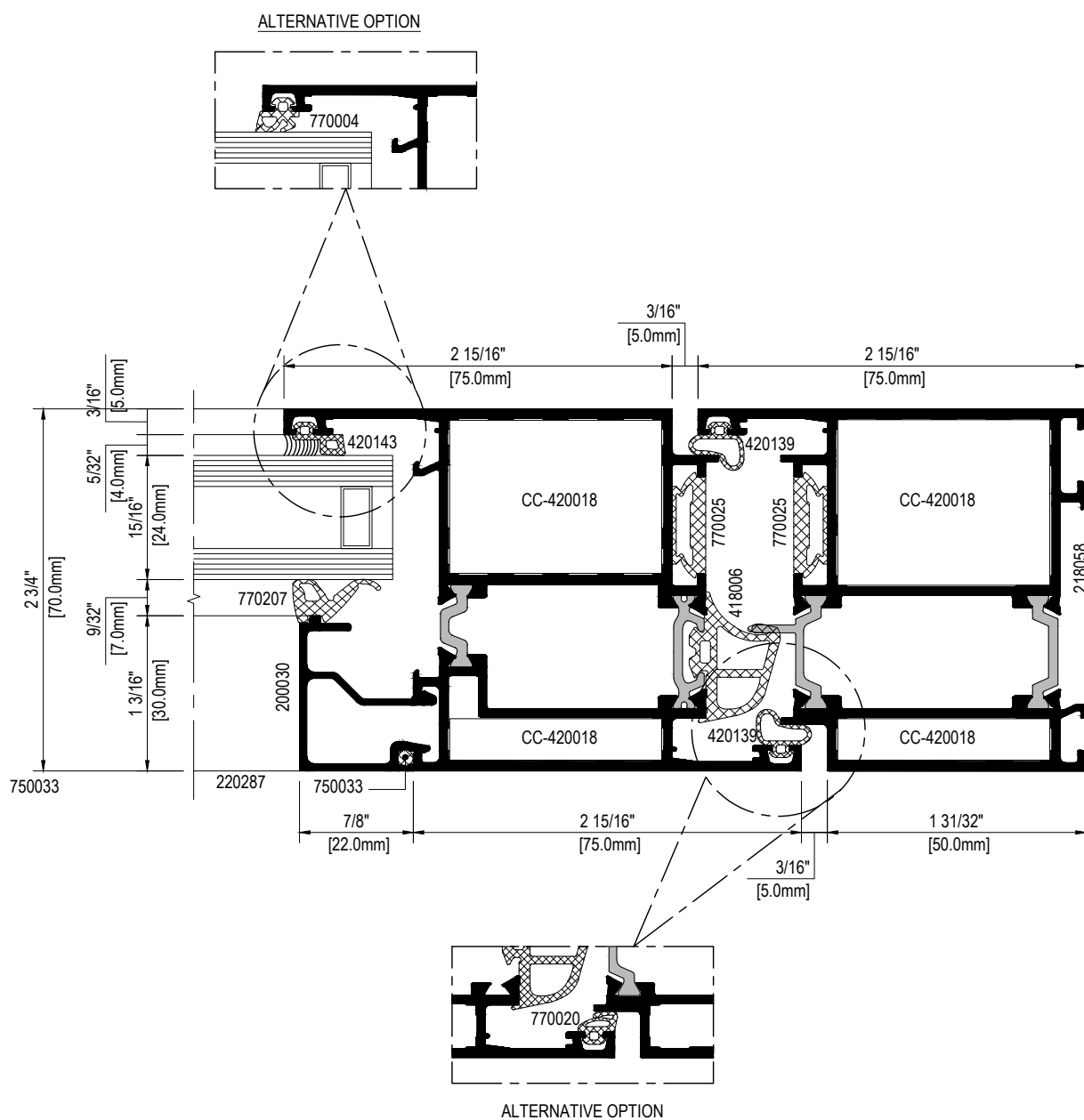


Section Detail



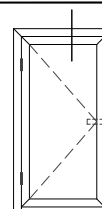
Low Threshold
(view outside)

High threshold
(view outside)

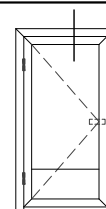




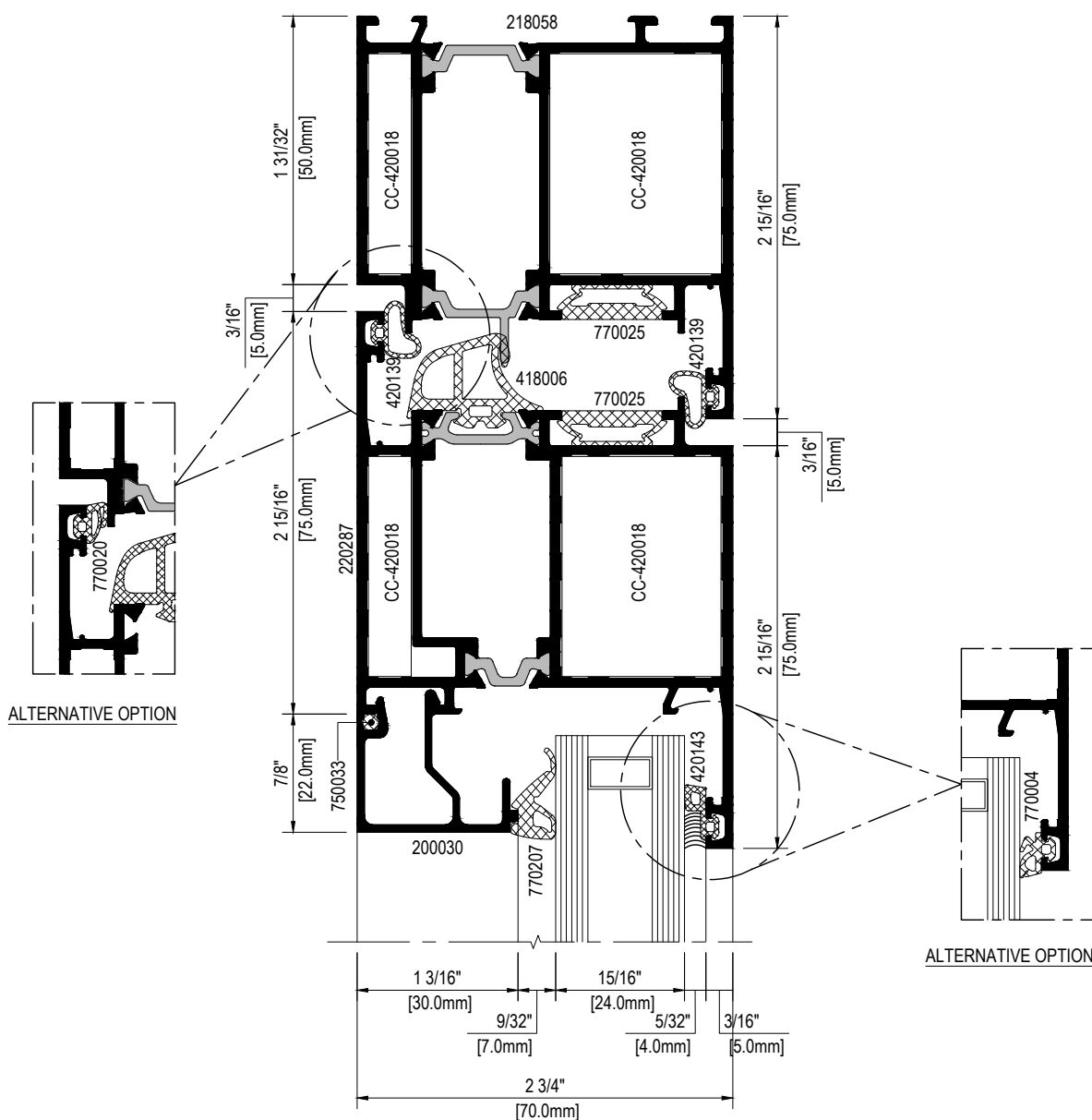
Section Detail



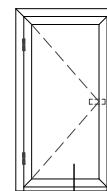
Low Threshold
(view outside)



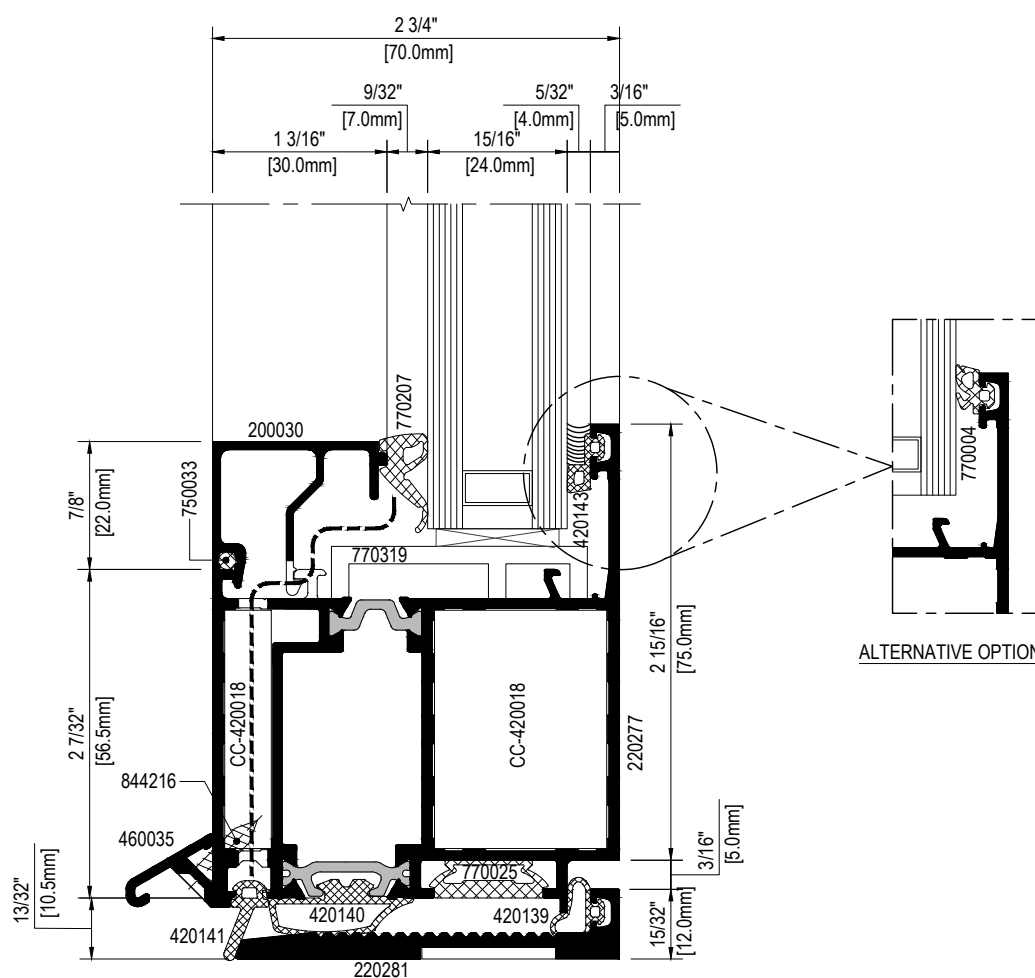
High threshold
(view outside)



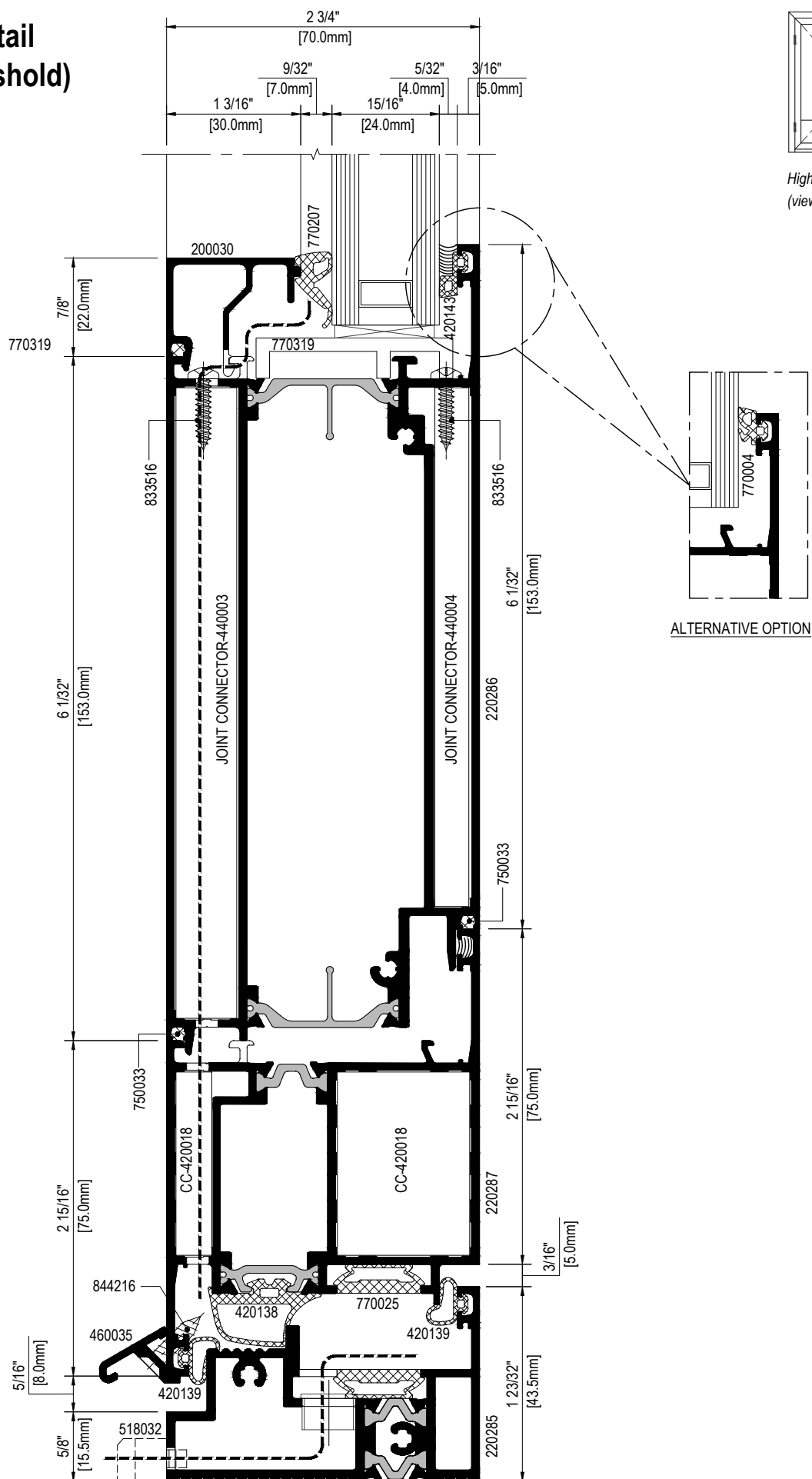
Section Detail (Low Threshold)



Low Threshold
(view outside)



Section Detail (High Threshold)



Section Detail (Low Threshold with High Rail)

