

February 18, 2008

Ingersoll Rand Security Technologies
Mr. Roger Vitt
6810 Hillsdale Ct.
Indianapolis, IN 46250

Our Reference: File R25826

Subject: Third-Party Certification and Listing of Fire Doors, Fire Door and Fire Window Frames

Dear Mr. Vitt,

This letter is in reply to your recent e-mail request for confirmation that Ingersoll Rand Security Technologies is currently under the Listing and Follow-Up Service of Underwriters Laboratories Inc. (UL) for the products described on the Classification Card for File R25826.

This letter confirms that Ingersoll Rand Security Technologies currently maintains certification, label and follow-up service with UL for the various products currently described on your UL Classification Card for UL File Number R25826. A copy of this Classification Card is attached for your use.

Only those products bearing the appropriate Classification Marking and the company's name, trade name, trademark, or other recognized identification should be considered as covered by UL's Classification and Follow-Up Service. Only those products bearing the appropriate Listed Marking and the company's name, trade name, trademark, or other recognized identification should be considered as covered by UL's Listed and Follow-Up Service

Authorities having jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Listed or Classified products, equipment, systems, devices and materials

If you have any further questions about this information, please feel free to contact the undersigned.

Very Truly Yours,



Matthew Schumann
Senior Project Engineer
Fire Protection Division





ZGXJ.R25826 Wind-resistant Building Components

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Wind-resistant Building Components

[See General Information for Wind-resistant Building Components](#)

INGERSOLL RAND SECURITY TECHNOLOGIES

R25826

6810 HILLSDALE CT
INDIANAPOLIS, IN 46250 USA

Flush Door and Frame Assemblies tested to ASTM E330-02:

Door Model	Max Opening Size (Singles or Pairs)	Frame Model	Hardware Options	Gasketing	Design Pressure
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. jamb depth or Minimum 4-3/4 in. Jamb Depth	Schlage AL, ND, A, S; Falcon T, B, Z, X, S, H; Ives FB51P, FB31P; Ives 3CB1 4.5 X 4.5 hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.)	+/- 50 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. jamb depth or Minimum 4-3/4 in. Jamb Depth	Schlage L9000, L9400; Falcon M Series, Locknetics CM5500 Series; Ives SB453, SB543/454, 360, SB361, SB 1630, and 3CB1 4.5 X 4.5 hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.)	+/- 50 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. jamb depth or Minimum 4-3/4 in. Jamb Depth	Von Duprin 33/3527A, 33/3527A-F, 2227, 2227-F, 8827, 98/9927, 98/9927-F, 98/9957, 98/9957-F, 299 Strike; Ives 3CB1 4.5 X 4.5 Hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.)	+50/-40 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. jamb depth or Minimum 4-3/4 in. Jamb Depth	Von Duprin 9447 with 338 Strike, 94/9547, 94/9547-F, 33/3547A, 33/3547A -F, 98/9947, 98/9947-F, Ives 3CB1 4.5 x 4.5	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+/- 50 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. jamb depth or Minimum 4-3/4 in. Jamb Depth	Von Duprin 22 Rim with 4954 Mullion and 299 Strike, 22 Rim with 4954 Mullion/KR4954, 22-F x 9954/KR9954; Ives 5BB91 4.5 x 4.5	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50/-40 PSF
L18, L16,	8 ft. x 8 ft.	F16, MU16,	Monarch 19-R with 4023 Mullion	Steelcraft PS-	+/- 50

L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16		F14, MU14 Minimum 5-3/4 in. jamb depth or Minimum 4-3/4 in. Jamb Depth		074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. jamb depth or Minimum 4-3/4 in. Jamb Depth	Von Duprin 99 Rim with KR4954 Mullion and 299 Strike, 98/99 Rim with 4954/KR4954 Mullion, 98/99-F x 9954/KR9954 Mullion; Ives 5BB91 4.5 x 4.5 hinges	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50/ -40 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. jamb depth or Minimum 4-3/4 in. Jamb Depth	Von Duprin 33A Rim with 4954 Mullion and 299 Strike, 33/35A Rim with 4954/KR4954 Mullion; Ives 5BB91 4.5 x 4.5 Hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+/- 50 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. jamb depth or Minimum 4-3/4 in. Jamb Depth	Von Duprin 88 Rim with 4954 Mullion and 299 Strike, 88 Rim with 4954/KR4954 Mullion, 88-F with 9954/KR9954 Mullion and 299 Strike; Ives 5BB91 4.5 x 4.5	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+/- 50 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	4 ft. x 8 ft. Single Door	F16, MU16, F14, MU14 Minimum 5-3/4 in. jamb depth or Minimum 4-3/4 in. Jamb Depth	Schlage AL, ND, A, S, L9000, L9400; Falcon T, B, Z, X, S, H, M' Locknetics CM5500; Von Duprin Model 6211, 6200 Series w/wo AL/WF suffixes and 6210 Series electric strikes; Ives 5BB91 4.5 x 4.5 hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.)	+ 50/ -45 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	4 ft. x 8 ft. Single Door	F16, MU16, F14, MU14 Minimum 5-3/4 in. jamb depth or Minimum 4-3/4 in. Jamb Depth	Von Duprin 9475 with 575 Strike, 94/9575 with 575 Strike, 94/9575-F with 575 Strike, 8875 with 575 Strike, 8875-F with 575 Strike, 5575 with 575 Strike, 5575-F with 575 Strike, 98/9975 with 575 Strike, 98/9975-F with 575 Strike, 7500 Series; Ives 5BB91 4.5 x 4.5 Hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50/ -45 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	4 ft. x 8 ft. Single Door	F16, MU16, F14, MU14 Minimum 5-3/4 in. jamb depth or Minimum 4-3/4 in. Jamb Depth	Monarch 18-M with 1279 Strike, Monarch 17-M with 1279 Strike, Monarch XX-M with 1279 Strike, Monarch F18-M with 1279 Strike, Monarch F17-M with 1279 Strike, Ives 5BB91 4.5 x 4.5 Hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+/- 50 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	4 ft. x 8 ft. Single Door	F16, MU16, F14, MU14 Minimum 5-3/4 in. jamb depth or Minimum 4-3/4 in. Jamb Depth	Von Duprin 2670 Guard with 267 Strike, Ives 5BB91 4.5 x 4.5 Hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+55/ -40 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. jamb depth or Minimum 4-3/4 in. Jamb Depth	Monarch 17-V, Monarch 18-V, Monarch 19-V, Monarch XX -V, Monarch 18-TPL, Monarch XX-TPL, Monarch F17-V, Monarch F18-V, Monarch F-19-V, Monarch F18-TPL, Monarch FXX-TPL with Ives 5BB91 4.5 x 4.5 Hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+/- 50 PSF
L18, L16, L14, B18,	8 ft. x 8 ft.	F16, MU16, F14, MU14	Von Duprin 55 Rim with 1408 Strike and 5754 Mullion	Steelcraft PS-074/Durable HLT-	+/- 50 PSF

B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16		Minimum 5-3/4 in. jamb depth or Minimum 4-3/4 in. Jamb Depth		205V Threshold (1/4 in.), Zero 328 Split Astragal	
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. jamb depth or Minimum 4-3/4 in. Jamb Depth	Monarch 18-C, Monarch 17-C, Monarch XX-C, Monarch F18-C, Monarch F17-C, Monarch FXX -C with Ives 5BB91 4.5 x 4.5 Hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50/-60 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. jamb depth or Minimum 4-3/4 in. Jamb Depth	Von Duprin 5547	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+/-60 PCF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	4 ft. x 8 ft. Single Door	F16, MU16, F14, MU14 Minimum 5-3/4 in. jamb depth or Minimum 4-3/4 in. Jamb Depth	Schlage B100, Schlage B400, Schlage B600/700/800, Schlage L400, Falcon D400, Falcon D800 with Ives 5BB91 4.5 x 4.5 Hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+60/-45 PCF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft with 1/4 in. Glazing materials.	F16, MU16, F14, MU14 Minimum 5-3/4 in. Jamb Depth	Von Duprin 33-Series exit devices Von Duprin 3327x8827 Surface Vertical Rod Exit devices	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50/-40 PCF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. jamb depth or Minimum 4-3/4 in. Jamb Depth	Monarch 17-R-2923, Monarch 18-Rx2923, Monarch 19 - Rx2923, Monarch XX-Rx2923, Monarch F17-R, Monarch F18-R, Monarch FXX-R, with additional with 4203, F4023, CR4023, CR-F4023 and 4423 Mullions and Ives 5BB91 4.5 x 4.5 Hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+/-50 PCF

Full Glass Door and Frame with 1/4 in. glazing materials , Assemblies tested to ASTM E330-02:

Door Model	Max Opening Size (Singles or Pairs)	Frame Model	Hardware Options	Gasketing	Design Pressure
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. Jamb Depth	Schlage AL, ND, A, S; Falcon T, B, Z, X, S, H; Ives FB51P, FB31P; Ives 3CB1 4.5 X 4.5 hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.)	+50-40 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. Jamb Depth	Schlage L9000, L9400; Falcon M Series, Locknetics CM5500 Series; Ives SB453, SB543/454, 360, SB361, SB 1630, and 3CB1 4.5 X 4.5 hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.)	+50-40 PSF
L18, L16,	8 ft. x 8 ft.	F16, MU16,	Von Duprin 33/3527A, 33/3527A-F,	Steelcraft PS-	+50-40

L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16		F14, MU14 Minimum 5-3/4 in. Jamb Depth	2227, 2227-F, 8827, 98/9927, 98/9927-F, 98/9957, 98/9957-F, 299 Strike; Ives 3CB1 4.5 X 4.5 Hinge	074/Durable HLT-205V Threshold (1/4 in.)	PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. Jamb Depth	Von Duprin 9447 with 338 Strike, 94/9547, 94/9547-F, 33/3547A, 33/3547A-F, 98/9947, 98/9947-F, Ives 3CB1 4.5 x 4.5	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50-40 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. Jamb Depth	Von Duprin 22 Rim with 4954 Mullion and 299 Strike, 22 Rim with 4954 Mullion/KR4954, 22-F x 9954/KR9954; Ives 5BB91 4.5 x 4.5	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50-40 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. Jamb Depth	Monarch 19-R with 4023 Mullion	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50-40 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. Jamb Depth	Von Duprin 99 Rim with KR4954 Mullion and 299 Strike, 98/99 Rim with 4954/KR4954 Mullion, 98/99-F x 9954/KR9954 Mullion; Ives 5BB91 4.5 x 4.5 hinges	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50-40 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. Jamb Depth	Von Duprin 33A Rim with 4954 Mullion and 299 Strike, 33/35A Rim with 4954/KR4954 Mullion; Ives 5BB91 4.5 x 4.5 Hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50-40 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. Jamb Depth	Von Duprin 88 Rim with 4954 Mullion and 299 Strike, 88 Rim with 4954/KR4954 Mullion, 88-F with 9954/KR9954 Mullion and 299 Strike; Ives 5BB91 4.5 x 4.5	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50-40 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	4 ft. x 8 ft. Single Door	F16, MU16, F14, MU14 Minimum 5-3/4 in. Jamb Depth	Schlage AL, ND, A, S, L9000, L9400; Falcon T, B, Z, X, S, H, M' Locknetics CM5500; Von Duprin Model 6211, 6200 Series w/wo AL/WF suffixes and 6210 Series electric strikes; Ives 5BB91 4.5 x 4.5 hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.)	+50-40 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	4 ft. x 8 ft. Single Door	F16, MU16, F14, MU14 Minimum 5-3/4 in. Jamb Depth	Von Duprin 9475 with 575 Strike, 94/9575 with 575 Strike, 94/9575-F with 575 Strike, 8875 with 575 Strike, 8875-F with 575 Strike, 5575 with 575 Strike, 5575-F with 575 Strike, 98/9975 with 575 Strike, 98/9975-F with 575 Strike, 7500 Series; Ives 5BB91 4.5 x 4.5 Hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50-40 PSF
L18, L16, L14, B18,	4 ft. x 8 ft. Single Door	F16, MU16, F14, MU14	Monarch 18-M with 1279 Strike, Monarch 17-M with 1279 Strike,	Steelcraft PS-074/Durable HLT-	+50-40 PSF

B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16		Minimum 5-3/4 in. Jamb Depth	Monarch XX-M with 1279 Strike, Monarch F18-M with 1279 Strike, Monarch F17-M with 1279 Strike, Ives 5BB91 4.5 x 4.5 Hinge	205V Threshold (1/4 in.), Zero 328 Split Astragal	
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	4 ft. x 8 ft. Single Door	F16, MU16, F14, MU14 Minimum 5-3/4 in. Jamb Depth	Von Duprin 2670 Guard with 267 Strike, Ives 5BB91 4.5 x 4.5 Hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50-40 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. Jamb Depth	Monarch 17-V, Monarch 18-V, Monarch 19-V, Monarch XX-V, Monarch 18-TPL, Monarch XX-TPL, Monarch F17-V, Monarch F18-V, Monarch F19-V, Monarch F18-TPL, Monarch FXX-TPL with Ives 5BB91 4.5 x 4.5 Hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50-40 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. Jamb Depth	Von Duprin 55 Rim with 1408 Strike and 5754 Mullion	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50-40 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. Jamb Depth	Monarch 18-C, Monarch 17-C, Monarch XX-C, Monarch F18-C, Monarch F17-C, Monarch FXX-C with Ives 5BB91 4.5 x 4.5 Hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50-40 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. Jamb Depth	Von Duprin 5547	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50-40 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	4 ft. x 8 ft. Single Door	F16, MU16, F14, MU14 Minimum 5-3/4 in. Jamb Depth	Schlage B100, Schlage B400, Schlage B600/700/800, Schlage L400, Falcon D400, Falcon D800 with Ives 5BB91 4.5 x 4.5 Hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50-40 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft with 1/4 in. Glazing materials.	F16, MU16, F14, MU14 Minimum 5-3/4 in. Jamb Depth	Von Duprin 33-Series exit devices Von Duprin 3327x8827 Surface Vertical Rod Exit devices	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50-40 PSF
L18, L16, L14, B18, B16, B14, T18, T16, T14, SL18, SL 16, CE 18, CE16	8 ft. x 8 ft.	F16, MU16, F14, MU14 Minimum 5-3/4 in. Jamb Depth	Monarch 17-R-2923, Monarch 18-Rx2923, Monarch 19-Rx2923, Monarch XX-Rx2923, Monarch F17-R, Monarch F18-R, Monarch FXX-R, with additional with 4203, F4023, CR4023, CR-F4023 and 4423 Mullions and Ives 5BB91 4.5 x 4.5 Hinge	Steelcraft PS-074/Durable HLT-205V Threshold (1/4 in.), Zero 328 Split Astragal	+50-40 PSF

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