

98/99 Strike/Stile information

| Device type | Standard single door | | Standard double door | | | Optional single door | | | Optional double door | | | | | | |
|---------------|---|----------------|----------------------|--------------------------------|----------------|----------------------|-------------------|-----------------|----------------------|-------------|-----------------|------------------|-------------|-----------------|-----------------|
| | Strike | Trim/stile | Strike w/mullion* | Trim/Stile | Strike | Trim/stile | Strike w/mullion* | Trim/Stile | | | | | | | |
| 98/99 | 299 | 990/996 | 696/697 | | 990/996 | 696/697 | | 990/996 | 696/697 | | 990/996 | 696/697 | | | |
| | | 4 1/2" (114mm) | 4 3/8" (111mm) | 299 x 4954 | 4 7/8" (124mm) | 4 3/4" (121mm) | 1439 or 1410 | 3 13/16" (97mm) | 3 13/16" (97mm) | 299 x 5654 | 4 7/16" (113mm) | 4 1/4" (108mm) | | | |
| | | | | | | | | | | 1408 x 5754 | 3 13/16" (97mm) | 3 13/16" (97mm) | | | |
| | | | | | | | 1606 | 4 1/16" (103mm) | 3 15/16" (100mm) | 1606 x 1654 | 4 3/8" (112mm) | 4 1/4" (108mm) | | | |
| XP 98/99 | 909 | | | 909 x 4954-XP | | | | | | | | | | | |
| 98-F/99-F | 299F | 4 1/2" (114mm) | 4 3/8" (111mm) | 499F x 9954 | 4 7/8" (124mm) | 4 3/4" (121mm) | | | | 499F x 9854 | | | | | |
| XP98-F/XP99-F | 909 | | | 954 x 9954-XP | | | | | | | | | | | |
| 9875 | 575 | 4 3/4" (121mm) | 4 3/4" (121mm) | 575-2 | | | | | | 576A-576B | 4 3/4" (121mm) | 4 3/4" (121mm) | | | |
| 9975 | | | | | | | | | | | | | | | |
| 9875-F | 575 | | | 575-2 | | | | | | 576A-576B | 4 3/4" (121mm) | 4 3/4" (121mm) | | | |
| 9975-F | | | | | | | | | | | | | | | |
| 9857 | 299 (Top) 299 (Middle) 304L/248L-4 (Bottom) | 4 1/2" (114mm) | 4 3/8" (111mm) | 299 x 4954 | 4 7/8" (124mm) | 4 3/4" (121mm) | 1439 or 1410 | 3 13/16" (97mm) | 3 13/16" (97mm) | 299 x 5654 | 4 7/16" (113mm) | 4 1/4" (108mm) | | | |
| | | | | | | | | | | | | | 1408 x 5754 | 3 13/16" (97mm) | 3 13/16" (97mm) |
| | | | | | | | | | | 1606 | 4 1/16" (103mm) | 3 15/16" (100mm) | 1606 x 1654 | 4 3/8" (112mm) | 4 1/4" (108mm) |
| 9957 | | | | | | | | | | | | | | | |
| 9857-F | 299F* (Top) 299F (Middle) 304L (Bottom) | 4 1/2" (114mm) | 4 3/8" (111mm) | 299F 499F x 9954 304L | 4 7/8" (124mm) | 4 3/4" (121mm) | | | | | | | | | |
| 9957-F | | | | | | | | | | | | | | | |

| | Strike | Optional strike | Application | Trim/Stile |
|--------------------------------------|-----------------------------------|-----------------------------------|--|---|
| | | | | 990/996 696/697 |
| 9827 9927 Latch retraction | 299 (Top) 304L/248L-4 (Bottom) | 260U (Top) 385A (Bottom) | Single door | 3 11/16" (94mm) 3 5/8" (92mm) |
| PL9827/PL9927 Pullman latch | 299 (Top) 304L/248L-4 (Bottom) | | Two vertical rod devices | 3 11/16" (94mm) 3 5/8" (92mm) |
| 9827-F 9927-F | 299F* (Top) 304L (Bottom) | 260U (Stainless) 385A (Bottom) | | |
| 9847 9947 9848 9948 | 338 (Top) 385A (Bottom) | 304L (Bottom) | Vertical rod with Mortise lock device | 4 3/4" (121mm) 4 3/4" (121mm) |
| 9847-F 9947-F 9848-F 9948-F | 338 (Top) 385A (Bottom) | 304L (Bottom) | Two vertical rods Vertical rod with Mortise lock device | 4 1/4" (108mm) 4 1/8" (105mm) 4 3/4" (121mm) 4 3/4" (121mm) |
| 9847WDC 9947WDC | 338 (Top) 385A (Bottom) | 304L (Bottom) | Single door Two vertical rod devices Vertical rod with Mortise lock device | 4 1/4" (108mm) 4 1/4" (108mm) 4 1/4" (108mm) 4 1/4" (108mm) 4 3/4" (121mm) 4 3/4" (121mm) |
| 9847WDC-F 9947WDC-F | 338 (Top) 385A (Bottom) | 304L (Bottom) | Two vertical rod devices | 4 1/4" (108mm) 4 1/4" (108mm) |
| 9849 9949 9849 9949 | 249 (Top) 349 (Bottom) | | Vertical cable with Mortise lock device | 4 3/4" (121mm) 4 3/4" (121mm) |
| 9849-F 9949-F 9849-F 9949-F | 249 (Top) 349 (Bottom) | | Two vertical cable Vertical cable with Mortise lock device | 4 1/4" (108mm) 4 1/8" (105mm) 4 3/4" (121mm) 4 3/4" (121mm) |
| 9850WDC 9950WDC | 150 (Top) 450 (Bottom) | | Single door Two vertical Cable devices Vertical cable with Mortise lock device | 4 1/4" (108mm) 4 1/4" (108mm) 4 1/4" (108mm) 4 1/4" (108mm) 4 3/4" (121mm) 4 3/4" (121mm) |
| 9850WDC-F 9950WDC-F | 150 (Top) 450 (Bottom) | | Two Vertical Cable Devices | 4 1/4" (108mm) 4 1/4" (108mm) |

*499F strike is the top strike for LBR applications.

98/99 Strike information

Strikes for rim devices

| | | | | |
|------------------------------------|-------------------------------------|---|--|-----------------------|
| 264 | 299 | 299F | 499F | 1408 |
| Projection $\frac{9}{16}$ " (14mm) | Projection $\frac{13}{16}$ " (21mm) | Projection $\frac{13}{16}$ " (21mm) | Projection $\frac{15}{16}$ " (24mm) | One per pair of doors |
| 1439-Blade stop | 1410-Integral stop | 1606 | 1609 | |
| Projection $\frac{1}{2}$ " (13mm) | Projection $\frac{1}{2}$ " (13mm) | Projection $\frac{3}{8}$ " (10mm) Panic devices only | Projection $\frac{15}{16}$ " (24mm) - Requires coordinator - For panic exit application only, not fire rated | |

XP Strikes for rim devices

| | |
|-------------------------------------|--|
| 909 | 954 |
| Projection $\frac{13}{16}$ " (21mm) | Projection $\frac{7}{8}$ " (22mm) - For fire rated double door applications |

Strikes for vertical cable devices

| | |
|------------------------------------|----------------------------------|
| 249 - Top strike | 349 - Bottom strike |
| Projection $\frac{9}{16}$ " (14mm) | Projection $\frac{1}{8}$ " (3mm) |

Strikes for vertical rod devices

| | | | | |
|-------------------------------------|---|-------------------------------------|---|-------------------------------------|
| 248L-4 | 260U-Flush transom panic only 260U-F-Flush transom fire only | 299 | 299F | 499F |
| Projection $\frac{3}{8}$ " (10mm) | Projection $\frac{3}{8}$ " (10mm) | Projection $\frac{13}{16}$ " (21mm) | Projection $\frac{13}{16}$ " (21mm) | Projection $\frac{15}{16}$ " (24mm) |
| 304L | 338 | 385A | 283 | |
| Projection $\frac{13}{16}$ " (21mm) | Mortise $\frac{5}{8}$ " (16mm) | Mortise $2\frac{1}{2}$ " (64mm) | For use with WDC devices when used with wood frames | |

Strikes for mortise lock devices

| | | | |
|--|--|---|--|
| 575 | 575-2 | 576A | 576B |
| For use on $\frac{13}{16}$ " (44mm) or $2\frac{1}{4}$ " (57mm) Single door and $2\frac{1}{4}$ " (57mm) double door with coordinator. | For use on $\frac{13}{16}$ " (44mm) thick double door with coordinator and astragal. | Open back strike for $\frac{13}{16}$ " (44mm) thick double doors without coordinator. | Open back strike for $2\frac{1}{4}$ " (57mm) thick double doors without coordinator. |

- Not for use with astragals
- For use on wood doors, contact door manufacturer
- Acceptable for 90 minute pair of hollow metal doors

33A/35A Rim device



1439 Roller ships standard, optional strikes available



299 Strike needs to be specified for Hollow Metal Frames

33A and 35A for all types of single and double doors with mullion, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2014 Grade 1. The 35A has a smooth mechanism case and the 33A has grooved case. The rim device is non-handed except when the SS (signal switch) option is used. See opposite page for available outside trim and device functions.

33A/35A fits door stiles as narrow as 1 3/4" (44mm). Newly designed device has a one piece center case cover.

Finishes – US3, US4, US10, US15 (35A Only) US26, US26D, US26D-AM, US28, 313 and 315.

Specifications

| | |
|---------------------------------------|--|
| Device lengths | 3' 2' 4" to 3' (711mm to 914 mm) Door size 4' 2'10" to 4' (864 mm to 1219 mm) Door size |
| Device centerline from finished floor | 39 13/16" (1011 mm) 39 11/16" (1008 mm) with Mullion |
| Center case dimensions | 8 3/16" x 1 9/16" x 2 13/32" (208mm x 40mm x 62mm) |
| Mechanism case dimensions | 2 1/4" x 2 1/4" (57mm x 57mm) |
| Projection | Pushbar Neutral – 3 13/16" (97 mm) Pushbar Depressed – 3 1/16" (78 mm) |
| Latch bolt | Deadlocking, 3/4" (19mm) throw |
| Fasteners & sex bolts (SNB) | Includes 1 3/4" (44mm) – 2 1/4" (57mm) wood & metal doors #425 SNB furnished standard for end case #325 SNB furnished standard for EO (exit only device) |
| Electric options | ALK Alarm kit CX Chexit delayed exit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option LX Latchbolt monitoring LX-RX Request to exit / latchbolt monitoring RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect |
| Mechanical options | AX Accessible device |
| Miscellaneous options | GBK Glass bead kit PN Pneumatic SG Safety glow SEC Security screws SNB Sex bolts |
| Dogging feature | Hex Dogging standard CD Cylinder dogging LD Less dogging |
| Strikes | 1439 – Dull black Optional strikes |

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

AX
Accessible device

- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

CX
Chexit delayed exit

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

E (E360L)
Electric lever trim

- Electrified remote locking/unlocking
- Fail safe & fail secure options available
- No key override

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

PN
Pneumatic latch retraction

- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

CD
Cylinder dogging

- Replaces hex key dogging
- Requires standard 1 1/4" mortise cylinder

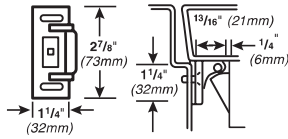
33A/35A Strike/Stile information

| Device type | Standard single door | | Standard double door | | Optional single door | | Optional double door | |
|--|--|--|--|--|---|--|---|---|
| | Strike | Stile | Strike w/mullion | Stile | Strike | Stile | Strike w/mullion | Stile |
| 33A 35A | 1439 | 2" (51mm) | 1408 x 5754 | 2" (51mm) | 299 1410 1606 | 2 ³ / ₄ " (70mm) 1 ³ / ₄ " (44mm) 2 ¹ / ₂ " (64mm) | 299 x 5654 299 x 4954 1606 x 1654 | 2 ⁵ / ₈ " (67mm) 3 ⁵ / ₁₆ " (84mm) 2 ³ / ₄ " (70mm) |
| 3327A 3527A | 266 (Top) 304L (Bottom) 248-L (Bottom) | 2" (51mm) | 266 (Top) 304L (Bottom) 248-L (Bottom) | 2" (51mm) | 299 (Top) 385A (Bottom) 260U (Top) 385A (Bottom) | 3 ¹ / ₈ " (79mm) 2 ¹ / ₈ " (54mm) | 299 (Top) 385A (Bottom) 260U (Top) 385A (Bottom) | 3 ¹ / ₈ " (79mm) 2 ¹ / ₈ " (54mm) |
| 3327A-F 3527A-F | — | — | 299F (Top) 304L (Bottom) | 3 ¹ / ₈ " (79mm) | — | — | — | — |
| 3327A-LBR-F | — | — | 499F (Top) (Req. auxiliary fire latch) | 3 ⁵ / ₈ " (92mm) | — | — | — | — |
| 3347A 3547A 3348A 3548A | 338 (Top) 385A (Bottom) | 2 ¹ / ₈ " (54mm) | 338 (Top) 385A (Bottom) | 2 ¹ / ₈ " (54mm) | 304L (Bottom) | 2 ¹ / ₂ " (64mm) | 304L (Bottom) | 2 ¹ / ₂ " (64mm) |
| 3347A-F 3547A-F 3348A-F 3548A-F | — | — | 338 (Top) 385A (Bottom) | 3 ⁵ / ₈ " (92mm) | — | — | 304L (Bottom) | 3 ¹ / ₂ " (89mm) |
| 3347A-LBR 3547A-LBR | 338 (Top) | 2 ¹ / ₂ " (64mm) | 338 (Top) | 2 ¹ / ₂ " (64mm) | — | — | — | — |
| 3347A-LBR-F 3547A-LBR-F | — | — | 338 (Top) | 3 ⁵ / ₈ " (92mm) | — | — | — | — |
| 3349A 3549A | 249 (Top) 349 (Bottom) | 2 ¹ / ₂ " (64mm) | 249 (Top) 349 (Bottom) | 2 ¹ / ₈ " (54mm) | — | — | — | — |
| 3349A-F 3549A-F | — | — | 249 (Top) 349 (Bottom) | 3 ¹ / ₂ " (89mm) | — | — | — | — |
| 3349A-LBL 3549A-LBL | 249 (Top) | 2 ¹ / ₂ " (64mm) | 249 (Top) | 2 ¹ / ₈ " (54mm) | — | — | — | — |
| 3349A-LBL-F 3549A-LBL-F | — | — | 249 (Top) | 3 ⁵ / ₈ " (92mm) | — | — | — | — |

33A/35A Strike/Stile information

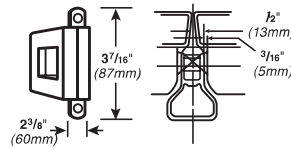
Strikes for rim devices

299



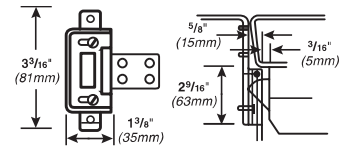
Projection $\frac{13}{16}$ " (21mm)

1408



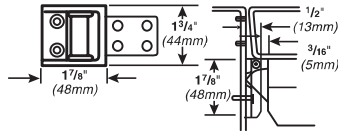
One per pair of doors - use with 5754 Mullion only

1410 - Integral stop



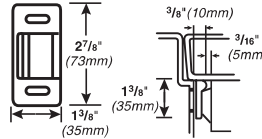
Projection $\frac{1}{2}$ " (13mm)

1439



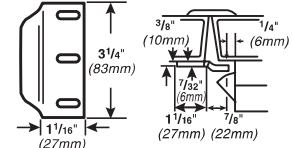
Projection $\frac{1}{2}$ " (13mm)

1606



Projection $\frac{3}{8}$ " (10mm)

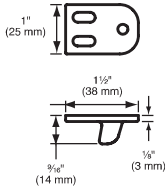
1609



For rim/vertical rod combination -not fire rated

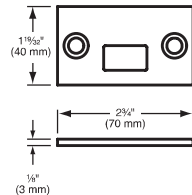
Strikes for vertical cable devices

249 - Top strike



Projection $\frac{9}{16}$ " (14mm)

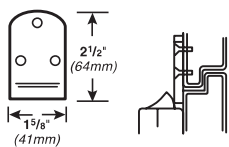
349 - Bottom strike



Projection $\frac{1}{8}$ " (3mm)

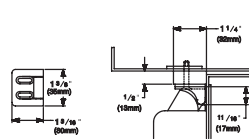
Strikes for vertical rod devices

260U-Flush transom only



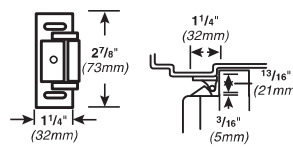
Projection $\frac{3}{8}$ " (10mm)

266



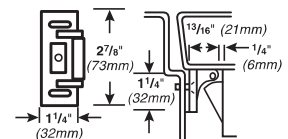
Projection $1\frac{1}{4}$ " (32mm)

299



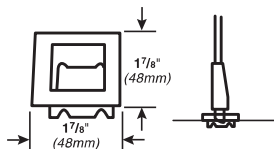
Projection $\frac{13}{16}$ " (21mm)

299F



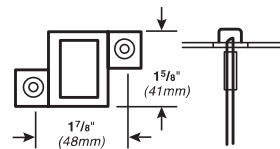
Projection $\frac{13}{16}$ " (21mm)

304L



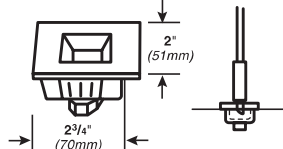
Mortise $\frac{13}{16}$ " (21mm)

338



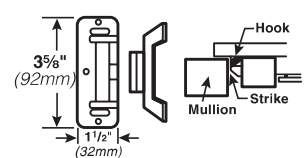
Mortise $\frac{5}{8}$ " (16mm)

385A



Mortise $2\frac{1}{2}$ " (64mm)

499F



Projection $\frac{13}{16}$ " (21mm)

22 Rim exit device



22 Rim exit device for all types of single and double doors with mullion, UL listed for Panic Exit Hardware. Devices are ANSI A156.3, 2008 Grade 1. Covers stock hollow metal doors with 161* cutouts. Fits door stiles as narrow as 3¹³/₁₆" (97 mm). The device is non-handed.

Finishes – SP28 & SP313.

*Not applicable with all strike and mullion combinations, consult factory.



The 299 Strike
ships standard, optional strikes available

Hex key dogging comes standard on 22 Rim exit device



| Specifications | |
|---------------------------------------|--|
| Device functions | Ships ready for all functions, EO, DT, NL, TP, K, L |
| Device lengths | 3' (914 mm) see minimum door opening chart at bottom of page 4' (1219 mm) see minimum door opening chart at bottom of page |
| Device centerline from finished floor | 39 ¹³ / ₁₆ " (1011 mm) 39 ¹¹ / ₁₆ " (1008 mm) with mullion |
| Center case dimensions | 4 ¹ / ₄ " (108 mm) x 1 ³ / ₈ " (41 mm) x 2 ³ / ₈ " (60 mm) |
| Mechanism case dimensions | 2" (51 mm) x 3 ³ / ₄ " (95 mm) |
| Projection push bar | Push bar neutral - 3 ³ / ₄ " (95 mm) push bar depressed - 3" (76 mm) |
| Latch bolt | Deadlocking, 3/4" (19 mm) throw |
| Fasteners & sex bolts (SNB) | Includes 1 ³ / ₄ " (44 mm) and 2 ¹ / ₄ " (57 mm) wood & metal doors optional SNB available for device |
| Electric options | LX latchbolt monitor switch RX pushpad monitor switch RX2 double pushpad monitor switch ALK alarm exit kit CON Allegion Connect |
| Mechanical options | GBK glass bead kit AX accessible device |
| Dogging feature | Hex key dogging standard |
| Dogging options | LD less dogging |
| Strikes | 299 – Dull black |

AX

Accessible device

- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

RX

Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

RX2

Double pushpad monitor switch

- Uses two RX switches

ALK

Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

LX

Latchbolt monitor switch

- Signals use of opening
- SPDT Switch to monitor latchbolt

CON

Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

Minimum door opening chart

| Stop height | Strike | Single door | Double door w/mullion | Minimum door opening for 3' device* | Minimum door opening w/ALK* |
|-------------|--------|-------------|-----------------------|-------------------------------------|-----------------------------|
| 1/2" | 299 | Yes | — | 26.500" (673mm) | 33.250" (845mm) |
| 1/2" | 1439 | Yes | — | 25.687" (652mm) | 32.437" (824mm) |
| 1/2" | 299 | — | 4754/4854/4954 | 27.000" (686mm) | 33.750" (857mm) |
| 1/2" | 299 | — | 5654 | 25.812" (656mm) | 32.562" (827mm) |
| 1/2" | 1408 | — | 5754 | 25.750" (679mm) | 32.500" (826mm) |
| 1/2" | 1606 | — | 1654 | 26.562" (675mm) | 33.312" (846mm) |
| 5/8" | 299 | Yes | — | 26.750" (679mm) | 33.500" (851mm) |
| 5/8" | 1439 | Yes | — | 25.937" (659mm) | 32.687" (830mm) |
| 5/8" | 299 | — | 4754/4854/4954 | 27.125" (689mm) | 33.875" (860mm) |
| 5/8" | 299 | — | 5654 | 26.687" (678mm) | 33.437" (849mm) |
| 5/8" | 1408 | — | 5754 | 25.875" (657mm) | 32.625" (829mm) |
| 5/8" | 1606 | — | 1654 | 26.687" (678mm) | 33.437" (849mm) |

*For 4' device, add 6" (152mm)

22 Strike/Stile information

Strikes for rim devices

| | | | |
|--|--|--|--|
| <p>264</p> <p>Projection $\frac{9}{16}$" (14 mm)</p> | <p>299</p> <p>Projection $\frac{13}{16}$" (21 mm)</p> | <p>299F</p> <p>Projection $\frac{13}{16}$" (21 mm)</p> | <p>499F</p> <p>Projection $\frac{15}{16}$" (24 mm)</p> |
| <p>1408</p> <p>Used with 5754 Mullion One per pair of doors</p> | <p>1410—Integral Stop</p> <p>Projection $\frac{1}{2}$" (13 mm)</p> | <p>1439—Blade Stop***</p> <p>Projection $\frac{1}{2}$" (13 mm)</p> | <p>1606</p> <p>Projection $\frac{3}{8}$" (10 mm)</p> |
| <p>1609**</p> <p>(Not fire rated; requires coordinates)</p> | | | |

Strikes for vertical rod devices

| | | | |
|--|---|---|--|
| <p>248L-4</p> <p>Projection $\frac{3}{8}$" (10 mm)</p> | <p>260U—Flush transom only</p> <p>Projection $\frac{3}{8}$" (10 mm)</p> | <p>304L</p> <p>Mortise $\frac{13}{16}$" (21 mm)</p> | <p>385A</p> <p>Mortise $2 \frac{1}{12}$" (64 mm)</p> |
|--|---|---|--|

Strikes 264, 299, 299F and 499F also available for vertical rod devices.

| Device type | Standard single door | | Standard double door | | OPTIONAL single door | | OPTIONAL double door | |
|-----------------------|--|-----------------|----------------------|-----------------|-------------------------|-------------------|-----------------------|-----------------|
| | Strike | Stile | Application* | Stile | Strike | Stile | Application* | Stile |
| 22 | 299 | 4 3/4" (121 mm) | 299 x 4954 | 4 3/4" (121 mm) | 1439 | 3 3/16" (97 mm) | 299 w/5654 | 4 1/4" (108 mm) |
| | | | | | 1410 | 3 7/16" (97 mm) | 1408 w/5754 | 3 7/16" (97 mm) |
| | | | | | 1606 | 3 15/16" (100 mm) | 1606 w/1654 | 4 1/4" (108 mm) |
| | | | | | — | — | 1609 w/vertical rod** | 4 3/8" (111 mm) |
| 22-F | 299F | 4 3/8" (111 mm) | 499F x 9954 | 4 7/8" (124 mm) | — | — | — | |
| 2227 Latch Retraction | 299 (Top) 299 (Middle) 304L/284-L (Bottom) | 3 5/8" (92 mm) | Two Vertical Rods | 3 5/8" (92 mm) | 260U Top 385A Bottom | 3 5/8" (92 mm) | Two Vertical Rods | 3 5/8" (92 mm) |
| 2227 Pullman Latch | 299 (Top) 284-L (Bottom) | 3 5/8" (92 mm) | Two Vertical Rods | 3 5/8" (92 mm) | 260U Top | 3 5/8" (92 mm) | Two Vertical Rods | 3 5/8" (92 mm) |
| 2227-F | 299 (Top) 304L (Bottom) | 3 5/8" (92 mm) | Two Vertical Rods | 3 5/8" (92 mm) | 260U-SS | 4" | 4" | 4" |

*Mullion information, refer to General and Auxiliary Catalog.

**Not for UL Fire exit hardware. Must be used with a coordinator.

***Replaces 1409 Strike

Note: On a Rim/Vertical rod application for a pair of doors, the 1609 strike extends off the edge of the door into the opening.