VON DUPRIN®

XP 98/99

Exit Protector — Rim Exit Device

A. (OPTION: No Substitute) Exit Devices

1. Exit devices shall be tested to ANSI/BHMA A156.3 Grade 1, and UL listed for Panic Exit and/or Fire Exit Hardware. Cylinders: Refer to 2.04 KEYING.
2. Provide touchpad type exit devices, fabricated of brass, bronze, stainless steel, or aluminum, plated to the standard architectural finishes to match the balance of the door hardware.
3. Exit devices shall incorporate a fluid damper or other device that eliminates noise associated with exit device operation. Touchpad shall extend a minimum of one half of the door width, but not the full length of the exit device rail. End-cap will have two-point attachment to door. Touch-pad shall match exit device finish, and shall be stainless steel for US26, US26D, US28, US32, and US32D finishes; for all other finishes, the touch-pad finish shall be of compatible finish to exit device. Only compression springs will be used in devices, latches, and outside trims or controls.
4. Devices to incorporate a deadlatching feature for security and/or for future addition of alarm kits and/or other electrical requirements.
5. **Rim Exit Device latch bolt to have a unique two piece construction providing the following advantages: (a) Static load force resistance in excess of 2000 lbs. (b) Provides 90 degree latchbolt strike engagement. (c) Compensates for deteriorating or weak frame installations by providing greater and longer lasting latch bolt/strike contact.**
6. Vertical rod devices shall be capable of being field modified to less bottom rod devices by removal of bottom rod and adding firing pin(s), if required at fire rated openings.
7. Provide manufacturer's standard strikes.
8. Provide exit devices cut to door width and height. Locate exit devices at a height recommended by the exit device manufacturer, allowable by governing building codes, and approved by the Architect.
9. Mechanism case shall sit flush on the face of all flush doors, or spacers shall be furnished to fill gaps behind devices. Where glass trim or molding projects off the face of the door, provide glass bead kits.
10. Non-fire-rated exit devices shall have **cylinder (OPTION: hex key)** dogging.
11. Removable mullions shall be a 2 inches x 3 inches steel tube. Where scheduled, mullion shall be of a type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.
12. Where lever handles are specified as outside trim for exit devices, provide heavy-duty lever trims with forged or cast escutcheon plates. Provide vandal-resistant levers that will travel to a 90-degree down position when more than 35 pounds of torque are applied, and which can easily be re-set.
    a. Lever style will match the lever style of the locksets.
    b. Lever trim on doors serving rooms considered by the authority having jurisdiction to be hazardous shall have a tactile warning.
13. Exit devices for fire rated openings shall be UL labeled fire exit hardware.
14. **Field drill weep holes per manufacturer's recommendation for exit devices used in full exterior application, highly corrosive areas, and where noted in the hardware sets.**
15. **Provide electrical options as scheduled.**
16. Acceptable manufacturers and/or products: Von Duprin 99/33 series, No Substitute.

B. (OPTION: Heavy-Duty Open) Exit Devices

1. Exit devices shall be tested to ANSI/BHMA A156.3 Grade 1, and UL listed for Panic Exit and/or Fire Exit Hardware. Cylinders: Refer to 2.04 KEYING.
2. Exit devices shall be touchpad type, fabricated of brass, bronze, stainless steel, or aluminum, plated to the standard architectural finishes to match the balance of the door hardware.
3. Touchpad shall extend a minimum of one half of the door width. Touch-pad finish shall be compatible to exit device finish. Compression springs will be used in devices, latches, and outside trims or controls, tension springs also acceptable.
4. **Devices to incorporate a deadlatching feature for security and/or for future addition of alarm kits and/or other electrical requirements.**
5. **Rim Exit Device latch bolt to have a unique two piece construction providing the following advantages: (a) Static load force resistance in excess of 2000 lbs (b) Provides 90 degree latch bolt strike engagement. (c) Compensates for deteriorating or weak frame installations by providing greater and longer lasting latch bolt/strike contact.**
6.
7. Provide manufacturer's standard strikes.
8. Provide exit devices cut to door width and height. Locate exit devices at a height recommended by the exit device manufacturer, allowable by governing building codes, and approved by the Architect.
9. Mechanism case shall sit flush on the face of all flush doors, or spacers shall be furnished to fill gaps behind devices. Where glass trim or molding projects off the face of the door, provide glass bead kits.
10. Non-fire-rated exit devices shall have cylinder (OPTION: hex key) dogging.
11. Removable mullions shall be a 2 inches x 3 inches steel tube. Where scheduled, mullion shall be of a type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.
12. Where lever handles are specified as outside trim for exit devices, provide heavy-duty lever trims with forged or cast escutcheon plates. Provide vandal-resistant levers that will travel to a 90-degree down position when more than 35 pounds of torque are applied, and which can easily be re-set.
    a. Lever style will match the lever style of the locksets.
    b. Lever trim on doors serving rooms considered by the authority having jurisdiction to be hazardous shall have a tactile warning.
13. Exit devices for fire rated openings shall be UL labeled fire exit hardware.
14. **Field drill weep holes per manufacturer's recommendation for exit devices used in full exterior application, highly corrosive areas, and where noted in the hardware sets.**
15. **Provide electrical options as scheduled.**
16. Acceptable manufacturers and/or products: Monarch 17/18 series with deadlatching, Precision Apex series, Sargent 80 series with deadlatching, Von Duprin 99/33 series.

C. (OPTION: No substitute) Exit Devices – Bar Type

1. Exit devices shall be tested to ANSI/BHMA A156.3 Grade 1, and UL listed for Panic Exit and/or Fire Exit Hardware. Cylinders: Refer to 2.04 KEYING.
2. Provide bar type exit devices, cast or forged of brass, bronze, or stainless steel, plated to the standard architectural finishes to match the balance of the door hardware.
3. Rim and Mortise type devices shall have 3/4 inch throw latch bolt. Surface and Concealed Vertical Rod devices shall have 5/8 inch thrown latch bolts.
4. Mechanism case will be one piece without a cover plate, and shall sit flush on the face of all flush doors, or spacers shall be furnished to fill gaps behind devices. Where Glass grim or molding projects off the face of the door, provide glass bead kits.
5. Exit devices for fire rated openings shall be UL labeled fire exit hardware.
6. Provide manufacturer's standard strikes.
7. Provide exit devices cut to door width and height. Locate exit devices at a height recommended by the exit device manufacturer, allowable by governing building codes, and approved by the Architect.
8. Removable mullions shall be a 2 inches x 3 inches steel tube. Where scheduled, mullion shall be of a type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.
9. **Provide electrical options as scheduled.**
10. Furnish all necessary wood door kit, and cover plates, for proper installation for the exit device.
11. Exit devices meeting this specification: Von Duprin 55/88 series, No Substitute.

D. (OPTION: Open) Exit Devices – Bar Type

1. Exit devices shall be tested to ANSI/BHMA A156.3 Grade 1, and UL listed for Panic Exit and/or Fire Exit Hardware. Cylinders: Refer to 2.04 KEYING.
2. Provide bar type exit devices, fabricated of brass, bronze, stainless steel, or aluminum, plated to the standard architectural finishes to match the balance of the door hardware.
3. Rim and Mortise type devices shall have 3/4 inch throw latch bolt. Surface and Concealed Vertical Rod devices shall have 5/8 inch thrown latch bolts.
4. Mechanism case shall sit flush on the face of all flush doors, or spacers shall be furnished to fill gaps behind devices. Where glass trim or molding projects off the face of the door, provide glass bead kits.
5. Exit devices for fire rated openings shall be UL labeled fire exit hardware.
6. Provide manufacturer's standard strikes.
7. Provide exit devices cut to door width and height. Locate exit devices at a height recommended by the exit device manufacturer, allowable by governing building codes, and approved by the Architect.
8. Removable mullions shall be a 2 inches x 3 inches steel tube. Where scheduled, mullion shall be of a type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.
9. **Provide electrical options as scheduled.**
10. Furnish all necessary wood door kit, and cover plates, for proper installation for the exit device.
11. Exit devices meeting this specification: Monarch XX series, Precision Reliant series, and Sargent 90 Series with guarded latch. Von Duprin 55/88 series.

E. (OPTION: Low-Duty Open) Exit Devices

1. Exit devices shall be tested to ANSI/BHMA A156.3 Grade 1, and UL listed for Panic Exit and/or Fire Exit Hardware. Cylinders: Refer to 2.04 KEYING.
2. Provide touchpad type exit devices, fabricated of aluminum and factory painted.
3. Devices to incorporate a deadlatching feature for security and/or for future addition of alarm kits and/or other electrical requirements.
4. Provide manufacturer's standard strikes.
5. Provide exit devices cut to door width and height. Locate exit devices at a height recommended by the exit device manufacturer, allowable by governing building codes, and approved by the Architect.
6. Mechanism case shall sit flush on the face of all flush doors, or spacers shall be furnished to fill gaps behind devices. Where glass trim or molding projects off the face of the door, provide glass bead kits.
7. Non-fire-rated exit devices shall have hex key dogging.
8. Removable mullions shall be a 2 inches x 3 inches steel tube. Where scheduled, mullion shall be of a type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.
9. Exit devices for fire rated openings shall be UL labeled fire exit hardware.
10. **Field drill weep holes per manufacturer's recommendation for exit devices used in full exterior application, highly corrosive areas, and where noted in the hardware sets.**
11. Provide electrical options as scheduled.
12. Acceptable manufacturers and/or products: Monarch 19 series, Precision Reliant series, Sargent 30 series. **Von Duprin 22 series.**