

The Meridian Community Building Rebuild

3 Meridian Place, Ottawa

Job No. 19-356

Architect

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Coordinator

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Contractor

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SHOP DRAWING REVIEW

REVIEWED
REVIEWED AS NOTED
REVISE AND RESUBMIT



Estimator: **Hal Howlett**
Detailer: **Annie Huang**

Plan Revision: **Mar 08, 2019**
Submittal Date: **July 08, 2019**

"This review is for the sole purpose of ascertaining conformance with the general design concept for architectural features only, and does not in any way constitute review of the design of engineering elements which form part of the Contract Documents prepared by others. This review shall not mean that the Architect approves the detail design inherent in the shop drawings. This responsibility shall remain with the Contractor submitting same, and such review shall not relieve the Contractor of his responsibility for errors or omissions in the shop drawings or of his responsibility for meeting all requirements of the Contract Documents. The Contractor is responsible for dimensions to be confirmed and correlated at the job site, for information that pertains solely to fabrication processes, or to techniques of construction and installation and for co-ordination for the work of all trades."

Reviewed as noted
Revise & resubmit for record.

CW 15/07/19

By: Bryan Bonell Date: July 15, 2019

HOBIN ARCHITECTURE INCORPORATED

REFER TO COMMENTS FROM HARDWARE CONSULTANT



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Heading #4

Item #4 1 Single door 103.1, Vestibule 104a To WC 103 LH ✓

965 x 2134 x 44 - WD DR x HM FR

3	Standard Hinge	BB1279 5" x 4" 646	646
1	Lockset	AL80LD NEP 619 x LESS STRIKE	619
1	Cylinder	MEDECO 20W20049 x Mk x KD 619	619
1	Electric Strike	6211 FS US32D	US32D
1	Auto Operators	Confirm Voltage Power Supply HL-8-LP (PULL SIDE MTG.) c/w E/S Relay c/w Flat Length Housing c/w Flat Arm & Bracket Application	
2	Wall Actuator	CM-60/2	630
2	Escutcheon	CM-69S	BLK
1	Washroom Relay Kit	CX-WC11	
1	Emergency Call Kit	CX-WEC10 FE c/w Bilingual Signage	
1	Relay	CX-33	
1	Kick Plate	K10A C32D 12"x36 1/2" x TAPE	US32D
1	Wall Door Stop	S122 619	619

Location of Actuators to be Confirmed
Emergency Assist System Consists of Audible and Visual Signal Devices Inside and Outside of the Washroom,
Control Device inside the Washroom and Emergency Signal as per O.B.C.
Electric Strike to Release upon Signal from Emergency Assist System Allowing Responders Access
to Washroom Without Having to Unlock outside Lever

Heading #5

Item #5 1 Single door 104.1, Corr. C 118 From Corr. A 104 LHR
Item #6 1 Single door 104.2, Corr. B 117 From Corr. A 104 RHR

965 x 2134 x 44 - HM DR x HM FR - UL-C

6	Standard Hinge	BB1279 5" x 4" 646	646
1	Exit Device	99-L-BE-F US32D 996L-BE-R US15 LHR #17 4' Bar 965 x 2134 Door	US15/US32D
1	Exit Device	99-L-BE-F US32D 996L-BE-R US15 RHR #17 4' Bar 965 x 2134 Door	US15/US32D
2	Surface Closer	1461 REG LPA DEL AL	AL
2	Kick Plate	K10A 6" x 36 1/2" x TM 630	US32D
		Elect. Magnetic Door Holders Supplied by Electrical	

Heading #6

Item #7 1 Pair of doors 105.1, Corr. A 104 To Libraby 105 LHA/RHA

914, 914 x 2134 x 44 - WD DR x HM FR

6	Standard Hinge	BB1279 4 1/2" x 4" 626	626 646
2	Latchset	AL10S NEP 619 LLL-Springlatch LLL-Strike	619
2	Ball Catch	347B15	15
2	Kick Plate	K10A 6" x 35" x TM 630	US32D
2	Floor Door Stop	S101 C15	US15



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Heading #7

Item #8 1 Single door 106.1, Vestibule 104b To Jan./ Stor. 106 RH

864 x 2134 x 44 - WD DR x HM FR - WH-45

3	Standard Hinge	BB1279 4 1/2" x 4" 626	626 646
1	Lockset	AL80LD NEP 619	619
1	Cylinder	MEDECO 20W20049 x MK x KD	630 619
1	Surface Closer	1461 REG LPA DEL AL x TB	AL
1	Kick Plate	K10A 6" x 32.5" x TM 630	US32D
1	Wall Door Stop	S120 C26D	US26D 619

Heading #8

Item #9 1 Single door 107.1, Corr. A 104 To Office 107 RH

965 x 2134 x 44 - WD DR x HM FR

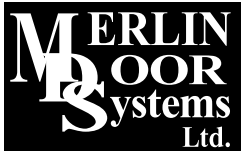
3	Standard Hinge	BB1279 5" x 4" 646	646
1	Lockset	AL50LD NEP 619	619
1	Cylinder	MEDECO 20W20049 x MK x KD 619	619
1	Kick Plate	K10A 6" x 36 1/2" x TM 630	US32D
1	Floor Door Stop	S101 C15	US15

Heading #9

Item #10 1 Pair of doors 108.1, Open Area From Stor-3 108 RHRA

914, 914 x 2134 x 44 - ^{INS}HM DR x HM FR

6	Standard Hinge	BB1191 4 1/2" x 4" NRP 630	630
1	Lockset	AL80LD NEP 619	619
1	Cylinder	MEDECO 20W20049 x MK x KD	619
		Cut/File Strike Lip Flush with Face of Door	
2	Flush Bolt	FB458-12 US15	US15
2	Overhead Door Holder	904H 95 Degree 630	630
1	Threshold	CT-32 x 76"	
		Confirm on Site Actual Width Required Prior to Ordering	
1	Stop Strip	CT-40S x 72"	
2	Door Sweep	W-24S-CA x 36"	CA
2	Weatherstripping	W-16S-CA 2/84"	CA
1	Weatherstripping	W-20S-CA x 1/72"	CA
		Install Before O/H Stop/holders	
1	Astragal	W-8SP x 84"	
1	Weatherstripping	6216 - 1/8" x 1/2" x 84" BL	BL
		Install on Astragal	



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Heading #10

Item #11 1 Single door 109.1, Corr. A 104 From Fitness 109 RHR

965 x 2134 x 44 - WD DR x HM FR

3	Standard Hinge	BB1279 5" x 4" 646	646
1	Exit Device	99-L US32D 996L-R US15 RHR #17 4' Bar 965 x 2134 Door	US15/US32D
1	Cylinder	MEDECO10W0400H x MK 619 To be Cross Keyed to Accept Suite Entry Door Keys	619
1	Surface Closer	1461 PAAL DEL	AL
1	Kick Plate	K10A 6" x 36 1/2" x TM 630	US32D
1	Mop Plate	K10A 6" x 37 1/2" x TM 630	US32D
1	Wall Door Stop	S120 C15	US15

Heading #11

Item #12 1 Single door 110.1, Corr. A 104 To Kitchen 110 RH

965 x 2134 x 44 - WD DR x HM FR

3	Standard Hinge	BB1279 5" x 4" 646	646
1	Latchset	AL10S NEP 619	619
1	Kick Plate	K10A 6" x 36 1/2" x TM 630	630
1	Overhead Door Holder	904F x 90 Degree Deadstop 630	US32D

Heading #12

Item #13 1 Pair of doors 110.2, Common Room 111 From Kitchen 110 LHRA

600, 600 x 2134 x 44 - WD DR x HM FR

6	Standard Hinge	BB1279 4 1/2" x 4 1/2" NRP	646
1	Dead Lock	L462L 626	626
2	Cylinder	MEDECO 10W0200 x MK To Be Cross Keyed to Accept Suite Entry Door Keys	619
1	Flush Bolt	FB458-12 US15 Top ONLY	US15
1	Door Pull	H407 C15	US15

Heading #13

Item #14 1 Single door 111.1, Corr. A 104 From Common Room 111 LHR

2134 ?
965 x 2087 x 44 - WD DR x WD FR

3	Standard Hinge	BB1279 5" x 4" 646	646
1	Exit Device	99-L US32D 996L-R US15 LHR #17 4' Bar 965 x 2087 Door	US15/US32D
1	Cylinder	MEDECO10W0400H x MK 619 To be Cross Keyed to Accept Suite Entry Door Keys	619
1	Surface Closer	1461 PAAL DEL	AL
1	Kick Plate	K10A 6" x 36 1/2" x TM 630	US32D
1	Mop Plate	K10A 6" x 37 1/2" x TM 630	US32D
1	Wall Door Stop	S120 C15	US15



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Heading #14

Item #15 1 Pair of doors 112.1, Common Room 111 From Stor-2 112 RHRA

812, 812 x 2134 x 44 - WD DR x HM FR

6	Standard Hinge	BB1279 4 1/2" x 4" 646	646
2	Latchset	AL10S NEP 619 LLL-Springlatch LLL-Strike	619
2	Ball Catch	347B15	15
2	Overhead Door Holder	453F x 95 DEGREE 630	630

Heading #15

Item #16 1 Pair of doors 113.1, Common Room 111 From Stor-1 113 LHRA/RHRA

Item #17 1 Pair of doors 113.2, Common Room 111 From Stor-1 113 LHRA/RHRA

764, 764 x 2134 x 44 - WD DR x HM FR

12	Standard Hinge	BB1279 4 1/2" x 4" 646	646
4	Latchset	AL10S NEP 619 LLL-Springlatch LLL-Strike	619
4	Ball Catch	347B15	15
4	Overhead Door Holder	453F x 90 DEGREE 630	630

Heading #16

Item #18 1 Single door 114.1, Corr.A 104 From Crafts Hobby 114 LHR

965 x 2134 x 44 - WD DR x HM FR

3	Standard Hinge	BB1279 5" x 4" 646	646
1	Exit Device	99-L US32D 996L-R US15 LHR #17 4' Bar 965 x 2134 Door	US15/US32D
1	Cylinder	MEDECO10W0400H x MK 619 To be Cross Keyed to Accept Suite Entry Door Keys	619
1	Surface Closer	1461 PA AL DEL	AL
1	Kick Plate	K10A 6" x 36 1/2" x TM 630	US32D
1	Mop Plate	K10A 6" x 37 1/2" x TM 630	US32D
1	Wall Door Stop	S120 C15	US15

Heading #17

Item #19 1 Single door 115.1, Corr.A 104 To Laund. 115 RH

965 x 2134 x 44 - WD DR x HM FR

3	Standard Hinge	BB1279 5" x 4" 646	646
1	Latchset	AL10S NEP 619	619
1	Kick Plate	K10A 6" x 36 1/2" x TM 630	US32D
1	Wall Door Stop	S120 C15	US15



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Heading #18

Item #20 1 Single door 116.1, Corr.A 104 From Roof Access 116 RHR

914 x 2134 x 44 - HM DR x HM FR - UL-C

3	Standard Hinge	BB1279 4 1/2" x 4" NRP 646	646
1	Lockset	AL80LD NEP 619	619
1	Cylinder	MEDECO 20W20049 x MK x KD	619
1	Surface Closer	1461 PA AL	AL

Heading #19

Item #21 1 Single door 117.1, Corr.B 117 From Exterior RHR

Item #22 1 Single door 118.1, Corr.C 118 From Exterior LHR

INS.

914 x 2134 x 44 - HM DR x HM FR

6	Standard Hinge	BB1191 4 1/2" x 4" NRP US32D	US32D
1	Exit Device	99-L-BE US32D 996L-BE-R US15 LHR #17 914 x 2134 Door c/w Weep Holes	US15/US32D
1	Exit Device	99-L-BE US32D 996L-BE-R US15 RHR #17 914 x 2134 Door c/w Weep Holes	US15/US32D
2	Electronic Locking Device	M490 TJ (Inswing)	
4	Warning Sign	"Emergency Exit Unlocked by Fire Alarm" 1/ENGLISH & 1/FRENCH	
2	Power Supply	PS902 x 900-FA Location to be Confirmed	
4	Key Switch	653-15-L2 (MOMENTARY) 630 Single Gang Electrical Boxes by Others; Location to be Confirmed; (1) Exterior to Allow Egress From Terrace; (1) Interior to Allow Access to Terrace	630
4	Cylinder	MEDECO 10W0200 x MK Exterior & Interior Key Switch/Cylinder; To Turn off Power (Momentary) to Magnet;	619
2	Surface Closer	To Allow Authorized Access through Door 1460T (Pull Side Mount) AL	AL

RCBB-991H hinge is no longer available NO LONGER INS. METAL CLAD WD/WF

Existing Key Switch at Fire Alarm Panel to Remain
Pull Station Supplied by Others

T.B. Threshold by ~~Door and Frame Manufacturer~~
Door Sweep by ~~Door and Frame Manufacturer~~
W/Stripping by ~~Door and Frame Manufacturer~~

NOW BY THIS SECTION.
threshold 1/4" high x width to suit x 40" in length
door shoe CT-745
w/stripping W-20S

Heading #20

Item #23 1 Single door 109.3, Fitness 109 From Closet LHR

382 x 2750 x 44 - WD DR x WD FR

4	Standard Hinge	BB1279 4 1/2" x 4" 646	646
1	Dead Lock	B580 619	619
1	Door Pull	H403 C15	US15



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Heading #21

Item #24 1 Single door 114.3, Crafts Hobby 114 From Closet RHR

340 x 2750 x 44 - WD DR x WD FR

4	Standard Hinge	BB1279 4 1/2" x 4" 646	646
1	Dead Lock	B580 619	619
1	Door Pull	H403 C15	US15

Heading #22

Item #25 1 Single door 109.2, Exterior From Fitness 109 LHR

1070 x 2134 x ___ - AL DR x AL FR **CONFIRM DOOR THICKNESS WITH ALD SUPPLIER**
WIDE STILE INSULCLAD

1	Continuous Hinge	SL11HD x 83" AL	689 ANO AL
1	Dead Lock	MS1852S-4 628 c/w Faceplate Shape to Suit Edge of Door; Install Cylinder Centered on Door Pull not Less Than 900mm; Center Line Above the Finished Floor as per O.B.C.	628
1	Strike	4001-012-628	628
2	Cylinder	MEDECO 10W0200 c/w CAM TO SUIT x MK To be Cross Keyed to Accept Suite Entry Door Keys	619
1	Cylinder Guards	MS4043-00-130	130 ✓
1	Door Pull & Push Bar	3012-2 G32D +6000-2 Confirm Centres; #5 B to B @Top Common End x #5 SGLE MTG x RIVNUT; c/w 2 (DOUBLE) Set Screws For Each Post	US32D 316 S.S. 630
1	Surface Closer	4021-FL AL x AVB ST-2997 RH Confirm Reveal and Long Arm Requirement	SRI 689
1	Adapter Plate	4020-18G AL	AL SRI 689
1	Overhead Door Stop	105S SP28 x 95 DEGREE	630 SRI 689
1	Door Sweep	W-24S-CA x 42" (EXTERIOR SIDE)	CA

T.B. Threshold by Door and Frame Manufacturer
 Door Sweep by Door and Frame Manufacturer
 W/Stripping by Door and Frame Manufacturer



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Heading #23

Item #26	1 Single door 114.2, Exterior From Crafts/Hobby 114		RHR
	1070 x 2134 x ___ - AL DR x AL FR	CONFIRM DOOR THICKNESS WITH ALD SUPPLIER	
		WIDE STILE INSULCLAD	
1	Continuous Hinge	SL11HD x 83" AL	689 ANO AL
1	Dead Lock	MS1852S-4 628 c/w Faceplate Shape to Suit Edge of Door; Install Cylinder Centered on Door Pull not Less Than 900mm; Center Line Above the Finished Floor as per O.B.C.	628
1	Strike	4001-012-628	628
2	Cylinder	MEDECO 10W0200 c/w CAM TO SUIT x MK To be Cross Keyed to Accept Suite Entry Door Keys	619
1	Cylinder Guards	MS4043-00-130	130 ✓
1	Door Pull & Push Bar	3012-2 C32D +6000-2 Confirm Centres; #5 B to B MTG. @Top Common End x #5 SGLE MTG x RIVNUT; c/w 2 (DOUBLE) Set Screws For Each Post	US32D 316 S.S. 630
1	Surface-Closer	4021-FL-AL x AVB-ST-2997-LH Confirm Reveal and Long Arm Requirement	SRI-689
1	Door Opener	HA-8-LP (PUSH SIDE MTG.) c/w Flat Arm & Bracket Application	
2	Push Button	CM-60/2	630
2	Escutcheon	CM-69S	BLK
1	Weather Gasket	Weather Ring	
1	Overhead Door Stop	105S x 95 DEGREE 630	US32D
1	Door Sweep	W-24S-CA x 42" (EXTERIOR SIDE)	CA

Location of Actuators to be Confirmed

T.B. Threshold by Door and Frame Manufacturer
 Door Sweep by Door and Frame Manufacturer
 W/Stripping by Door and Frame Manufacturer



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MS1850S, MS1850S-X5X

Series MS® Deadlocks

The **MS1850S Series MS® Deadlock** utilizes a laminated stainless steel bolt to provide maximum security for a single leaf narrow stile aluminum door. The **MS1850S-X5X Series MS® Deadlock** utilizes a laminated stainless steel hookbolt to provide maximum security for a sliding narrow stile aluminum door. Both are activated by a pivot mechanism.

Function

A huge bolt of laminated stainless steel, nearly 3" long, activated by an uncomplicated pivot mechanism, has made the basic **MS1850S Series MS® Deadlock** the standard of the narrow stile aluminum door industry. The length of this bolt provides maximum security for a single leaf door, even a very tall and flexible one or an installation where the gap between the door and jamb is greater than it should be.

The **MS1850S-X5X Series MS® Deadlock** answers the security need of sliding narrow stile aluminum doors in commercial, industrial, and institutional buildings. The locking mechanism is identical to the MS1850S Series MS Deadlock, except that the massive laminated bolt is provided in a hook shape to resist the parting motion of sliding door and jamb. The over-center maximum security (MS) locking action assures that forced entry attempts to pry the door in any direction, up, down, or sideways will be defeated.

Special configuration: The **1850S-X2X Series Short Throw Deadlock** utilizes a laminated stainless steel short bolt, activated by a pivot mechanism to secure a single leaf narrow stile aluminum door.

Operation

360° turn of key or thumbturn projects or retracts the counterbalanced bolt. Key can be removed only when bolt is in a positively locked or unlocked position. Lock accepts any standard 1" [25.4 mm] length, 1-5/32" [29.4 mm] diameter mortise cylinder with MS® cam such as the 4036 Mortise Cylinder or thumbturn such as the 4066 Thumbturn, available separately. Lock accepts cylinder from either or both sides.



MS1850S



MS1850S-X5X

MS1850S-
X5X only

ASSA ABLOY, the global leader
in door opening solutions

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ARM-014-9/17

800.872.3267

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adamsrite.com

10027 S. 51st Street, Ste 102, Phoenix, Arizona 85044



How to Order & Related Products

MS1850S, MS1850S-X5X Series MS® Deadlock: Specify quantity and the following information. Order related products separately.

PRODUCT NO.	FACEPLATE	BACKSET	BOLT SHAPE	HANDING	FINISH
MS185	OS	-2	1	0	-628
	0S Flat	1 7/8"	1 Straight bolt	0 Non-Handed*	313 Dark Bronze Anodized
	1S Radius	2 31/32"	5 Hookbolt	5 LH or RHR	335 Black Anodized
	1SW Radius with weatherstrip	3 1-1/8"		6 RH or LHR	628 Clear Anodized
	2S Bevel	4 1-1/2"			
	3S Without faceplate, without strike plate				

*Any flat or radius faceplate, except Schoolhouse. Select handing for bevel faceplate only.

1850S-X2X Series Short Throw Deadlock: Specify quantity and the following information. Order related products separately.

MODEL	FACEPLATE	BACKSET	BOLT SHAPE	HANDING	FINISH
185	OS	-2	2	0	-628
	0S Flat	2 31/32"	2 Short Throw	0 Non-Handed*	313 Dark Bronze Anodized
	1S Radius	3 1-1/8"		5 LH or RHR	335 Black Anodized
	2S Bevel	4 1-1/2"		6 RH or LHR	628 Clear Anodized
	3S Without faceplate, without strike plate				

*Any flat or radius faceplate, except Schoolhouse. Select handing for bevel faceplate only.

RELATED — MS1850S & MS1850S-X5X

When purchasing this product, please consider the following related products, available separately:

ACCESSORIES	CYLINDERS	TRIM	SPECIAL ORDER OPTIONS
4015 Threshold Bolt, 4016 Header Bolt for multi-point locking. 4085 Header Bolt for pairs of doors 4000, 4001, MS4002 Deadlock Strikes Lock mounting accessories and options	Standard 1" length, 1-5/32" diameter mortise cylinder with MS® cam such as 4036 Mortise Cylinder, 4066 Thumbturn; MS4043 Cylinder Guard	3090, 3090P, 3090C, A100 Series Keyless Entry, 4550 Deadlock Lever 4089 Exit Indicator	Schoolhouse function available as special order.

4000 Series

MS® Deadlock Strikes

4000 Series MS® Deadlock Strikes add aesthetics and finish to strike cutouts in jambs.

Function

The majority of Adams Rite MS® deadlocks are installed in aluminum construction where the strike cutout can be simply a slot in the jamb. However, for aesthetic reasons or in the case of the MS4002 for added security, many who specify an MS® deadlock add one of these strikes.

4000 Trim Strike

A simple strike plate that can be surface mounted or mortised flush in hollow metal or wood applications.

Materials

Made of aluminum. Available in choice of 313 Dark bronze anodized, 335 Black anodized, 628 Clear anodized.

4001 Box Strike

Similar to the 4000 Strike, but with dust box added. Customarily used only for wood construction where the dust box prevents chips, sawdust, and other debris from entering strike.

Materials

Trim plate is aluminum, dust box is steel plated for corrosion resistance. Available in choice of 313 Dark bronze anodized, 335 Black anodized, 628 Clear anodized, US3 (605) Bright brass, US26D (626) Satin chrome.

MS4002

Similar to the 4000 and 4001 strike plates, but backed up by a massive steel doubler designed to prevent the method of forced entry known as "jamb peeling". Fits within aluminum or other hollow jamb sections with trim face flush, the steel completely hidden.

- Available flat for single doors or radiused for pairs of doors.
- May be used with two-point and three-point MS® deadlocks, including the hookbolt version in sliding doors where hookbolt use dictates door/jamb gap of 1/8" or less.
- MS4002 Armored Strike is unhandled and may be used with RH or LH swinging or sliding doors.

Materials

Trim plate is aluminum, reinforcement doubler is steel-plated for corrosion resistance. Available in choice of 313 Dark bronze anodized, 335 Black anodized, 628 Clear anodized, US3 (605) Bright brass, US26D (626) Satin chrome.

4000 Series MS® Deadlock Strikes

165 CYLINDERS & ACCESSORIES



Aluminum



Hollow Metal



Wood

4000

4001

MS4002

ASSA ABLOY, the global leader in door opening solutions

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MERLIN
DOOR
Systems
Ltd.

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4003ANSI Strike

Designed for ANSI applications for use with the MS1850SN Deadlock.

Materials

Trim plate is stainless steel. Available in choice of US26D (626) Satin chrome, powder coat 121 to match 313 Dark bronze anodized.

4005 Threshold Strike

Designed for a drop-bolt such as 4015 Threshold Bolt or 4016 Header Bolt in non-metal installations such as wood or concrete.

Materials

Trim plate is stainless steel. Available in US32D (630) Satin stainless.

4006 Floor Strike

Similar to 4001 Box Strike, the 4006 Floor Strike is a trim plate with dust box added for strike slot cut into metal thresholds. Designed for use with the 1830 Bottom Rail Deadlock.

Materials

Trim plate is stainless steel. Available in choice of US32D (630) Satin stainless, powder coat 119 to match 335 Black anodized, 121 to match 313 Dark bronze anodized, and 130 to match 628 Clear anodized.

Features

Standard Package

Individually packaged with machine screws and wood screws.

Options

- Specify flat or radius shape of trim plate, compatible deadlock, and square or round corners when ordering.

How to Order & Compatible Products

4000 Series MS® Deadlock Strikes: Specify quantity and the following information. Order related products separately.

MODEL	TRIM PLATE SHAPE	COMPATIBLE DEADLOCK	TRIM PLATE CORNERS	FINISH
4001	-0	1	1	-313
4000 Trim Strike	0 Flat	1 All Standard MS® locks with 1-3/8" Bolt Throw	1 Square	313 Dark Bronze Anodized
4001 Box Strike	1 Radius	2 1850A-020 with 3/4" Bolt Throw Only	2 Round	335 Black Anodized
MS4002 Armored Strike		3 All MS-050 "Hookbolt" locks		628 Clear Anodized

COMPATIBLE

DEADLOCKS

Most Adams Rite MS® Deadlocks



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MS4043

Cylinder Guard

MS4043 Cylinder Guard is a hardened-steel ring to protect cylinder from vandalism.

Function

The standard mortise cylinder is made of brass. It is literally a soft spot in narrow stile door security. Using special pliers, a pipe wrench or other leverage device, a burglar can tear the cylinder out of the door, leaving an opening through which the deadlock may be operated.

The MS4043 Cylinder Guard offers a three-way defense against this problem:

1. The outer shield ring is fully beveled to offer poor purchase for either prying or twisting.
2. The ring is hardened steel so that the combination of shape and hardness make it virtually impossible to grip, even with sharpened tools.
3. In the event that a prying tool such as a cold chisel is driven into the stile behind the shield ring, the would-be burglar is obliged to pull a heavy steel plate through a round hole in the 1/8" metal door stile. This degree of leverage is far beyond that available with most hand tools.



Features

Security Ring

Made of hardened-steel. Free-swiveling when properly installed.

Retainer Ring

Hardened-steel, plated for corrosion resistance. Permits security ring to swivel.

Trim Finish

Powder coat 119 to match 335 Black anodized, 121 to match 313 Dark bronze anodized, 130 to match 628 Clear anodized

Standard Package

Individually packaged with spacers for flush fitting in thin stile walls. Cylinders available separately.

Shipping Weight

1/8 lb. [0.06 kg]

Options

- MS4043 Cylinder Guard fits a standard 1/8" stile wall. For 1/4" thick stile walls, specify MS4043-01.

ASSA ABLOY, the global leader
in door opening solutions

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Patent pending and/or patent assabloydss.com/patents

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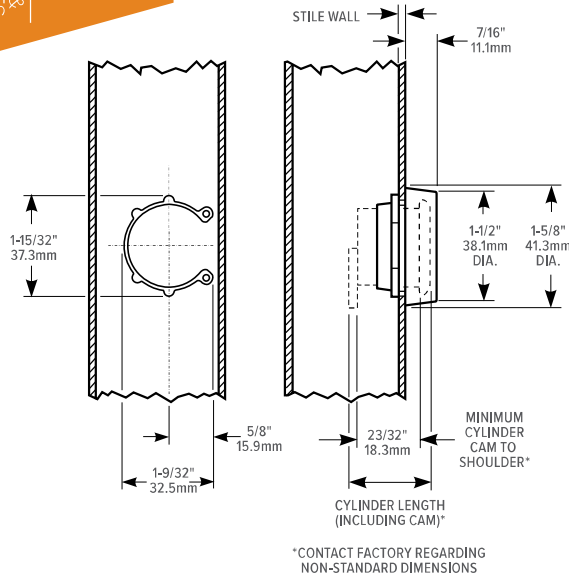
10027 S. 51st Street, Ste 102, Phoenix, Arizona 85044



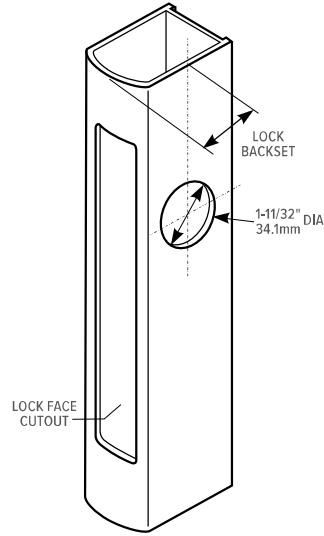
MS4043
Cylinder
Guard

All measurements are approximate and are provided for informational purposes only. Refer to the product Installation Instructions.

Dimensions

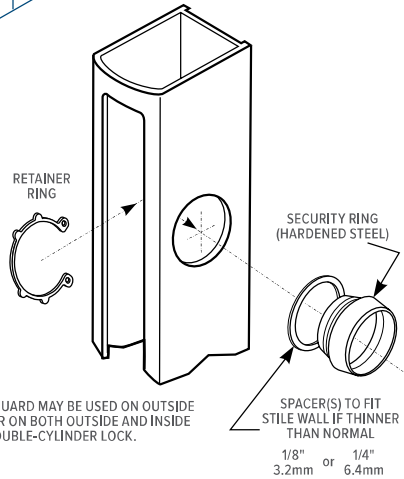


Stile Preparation



Installation

FACE "OPEN" SIDE OF RETAINER TOWARD MINIMUM CLEARANCE DIRECTION (TOWARD NOSE OF DOOR ON 7/8" OR 31/32" BACKSET LOCKS, AWAY ON 1-1/8" BACKSET).



NOTE: GUARD MAY BE USED ON OUTSIDE ONLY OR ON BOTH OUTSIDE AND INSIDE OF A DOUBLE-CYLINDER LOCK.

How to Order & Compatible Products

MS4043 Cylinder Guard Specify quantity and the following information. Order related products separately.

MODEL	STILE WALL & CYLINDER		FINISH
MS4043	-01		-130
	Stile Wall	Cylinder	119 To match 335 Black Anodized
	00 1/8"	5 or 6 pin	121 To match 313 Dark Bronze Anodized
	01 1/4"	5 or 6 pin	130 To match 628 Clear Anodized
	02 1/8" (3.2mm)	1-5/16" to 1-7/16" long	

COMPATIBLE

DEADLOCKS	DEADLATCHES	FLUSHBOLTS	EXIT DEVICES	TRIM
1830, MS1837, MS1850S, MS1850S-050, MS1850SN, MS1850SN-050, MS1861, 1875, MS+1890, MS1950, MS1950-050, 2190, 2290 Series Deadlocks	4300 Electrified Deadlatches, 4510, 4530, 4900, 4920AN Series Deadlatches	1870, 1870HM Series Flushlocks	8300, 8400 Mortise Exit Devices	



The Meridian Community Building Rebuild
3 Meridian Place, Ottawa
Job No. 19-356

Submission Date: July 08, 2019



CM-60
6" ROUND ALL-ACTIVE SWITCHES



CM-60/2



CM-60/3



CM-60/4

FEATURES

- LARGE, EASY TO OPERATE SWITCHES
- 6" ROUND
- ALL-ACTIVE DESIGN REQUIRES MINIMAL ACTUATION FORCE
- DURABLE STAINLESS STEEL OR SOLID BRASS CONSTRUCTION
- MEETS ADA REQUIREMENTS
- FLUSH MOUNT OR SURFACE MOUNT
- UL/CSA APPROVED SPDT MOMENTARY SWITCH, RATED 15 AMPS @ 30V DC
- VARIOUS LOGOS & MESSAGES
- ARCHITECTURAL FINISHES

DESCRIPTION

Camden Door Controls CM-60 Series all-active switches are heavy-duty, ADA-compliant door controls. The 6" round faceplates are stainless steel or solid brass, and the assembly is designed for easy installation in single-gang electrical boxes, or, with included adapter plate – double-gang and 4x4 boxes. The SPDT and optional DPDT switches are UL/CSA approved, and rated 15 amps @ 30 VDC.

APPLICATION

Camden all-active switches are designed for areas where an easy-to-activate, high-visibility switch is desired. Ideal for high-traffic areas, hospitals, wheelchair access, seniors' residences, etc. They can be surface or flush mounted.

Camden all-active switches are designed to control electric strikes, electromagnetic locks and automatic doors. They may also be used for shunting, bypassing alarms, request to exit, timed functions and many other applications.

The switches are made for high frequency usage, for both indoor and outdoor environments. Camden switches are versatile, and can be supplied in various configurations and finishes, to suit any commercial, industrial or residential application.

ARCHITECTS / ENGINEERS SPECIFICATIONS

The switches to be used throughout the complex shall be Camden Door Controls CM-60 all-active switches.

The switches shall be easy-to-activate, ADA compliant and 6" round in diameter. Switches shall be all-active, whereby pressing any part of the faceplate will activate the device. Faceplates shall be constructed of 18-gauge stainless steel or solid brass, and have concealed mounting screws for tamper resistance. Switches shall use plastic spacers and rubber dampers for noise reduction. Switches shall be rated at a minimum of 15 amps @ 30 VDC.

Their design shall allow mounting in single-gang electrical boxes, or, with included adapter plate – double-gang and 4x4 boxes.

KEY SWITCHES

PUSH BUTTONS

MOUNTING OPTIONS

RF CONTROLS

HANDS-FREE SWITCHES

SPECIAL PURPOSE SWITCHES

KEYPADS

ACCESSORIES



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The Meridian Community Building Rebuild
3 Meridian Place, Ottawa
Job No. 19-356

Submission Date: July 08, 2019

6" ROUND ALL-ACTIVE SWITCHES

SPECIFICATIONS

VOLTAGE:	12/24V AC/DC
CONTACT TYPE:	SPDT FORM 'C'
CONTACT RATING:	15A @ 30VDC
SWITCH TYPE:	MOMENTARY
DIMENSIONS:	6" DIA. x 1 1/8"D (1152mm x 29mm)
STD. FINISH:	US32 / 630














ORDERING INFORMATION

All CM-60 series all-active switches are complete ready-to-install assemblies. They are supplied with stainless steel Allen screws and Allen wrench for mounting.

MODEL	DESCRIPTION
CM-60	6" ROUND PUSH PLATE SWITCH

OPTIONS (Add suffix to model above)

FACEPLATE GRAPHIC OPTIONS

 CM-XX/1	 CM-XX/2	 CM-XX/2AL	 CM-XX/2AR	 CM-XX/3
 CM-XX/3F	 CM-XX/4	 CM-XX/4AL	 CM-XX/4AR	 CM-XX/4F
 CM-XX/8	 CM-XX/8D	 CM-XX/8F	<p>NOTE: /2, /2AL, /2AR, /4, /4AL, /4AR, /4F: Blue and /3, /3F, /8, /8D /8F: Black</p>	

ARCHITECTURAL FINISHES:

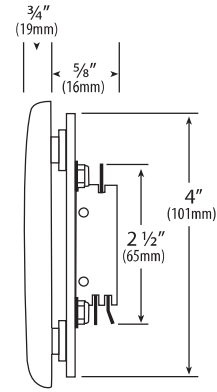
- CM-XXX-AB ADD 'AB' TO PRODUCT # FOR ANTIQUE BRASS FINISH (BHMA 609, US5)
- CM-XXX-SB ADD 'SB' TO PRODUCT # FOR SATIN BRASS FINISH (BHMA 606, US4)
- CM-XXX-OB ADD 'OB' TO PRODUCT # FOR OIL RUB BRONZE FINISH (BHMA 640, US10B) (NOT COLOR MATCHED) (CANNOT BE CUSTOM LASER ETCHED)
- CM-XXX-PB ADD 'PB' TO PRODUCT # FOR POLISHED BRASS (BHMA 605, US3)

WEATHERPROOF OPTIONS:

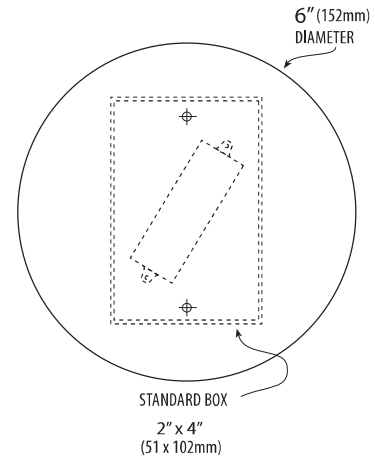
- CM-XXX-WT ADD 'WT' TO PRODUCT # FOR BOOT AND WATER TIGHT COATING

CONTACT OPTIONS:

- DP ADD DP TO PRODUCT # TO ORDER DPDT SWITCH INSTEAD OF SPST SWITCH (USE SPECIAL MOUNTING PLATE/TEMPLATE)



CM-60



CM-60



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LIT-SP-60-R4



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FS 541752



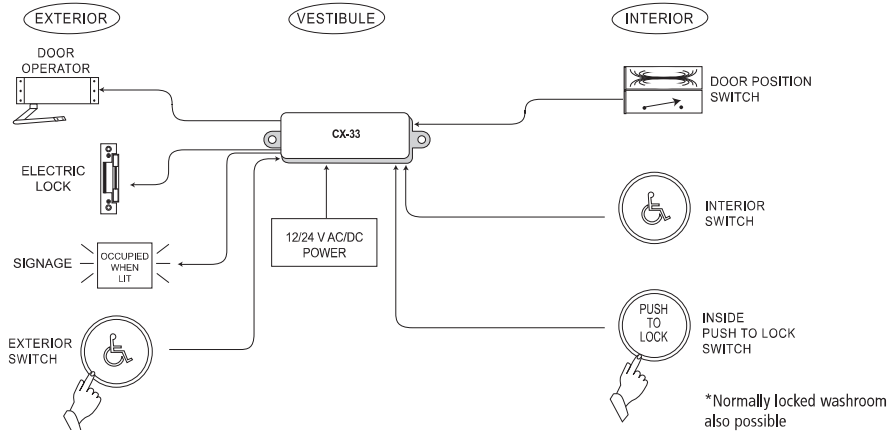
The Meridian Community Building Rebuild
3 Meridian Place, Ottawa
Job No. 19-356

Submittal Date: July 08, 2019

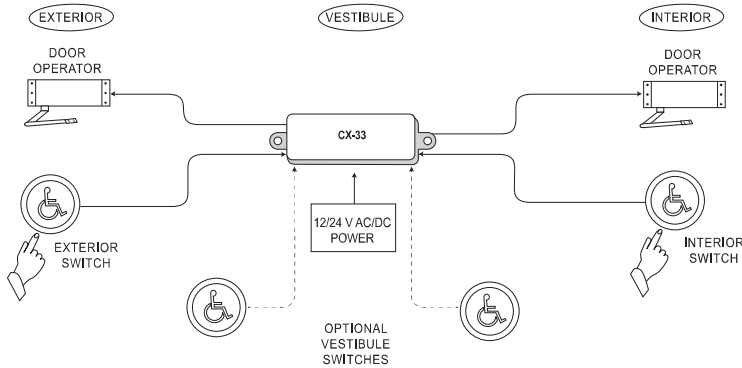
ADVANCED LOGIC RELAY

TYPICAL APPLICATION

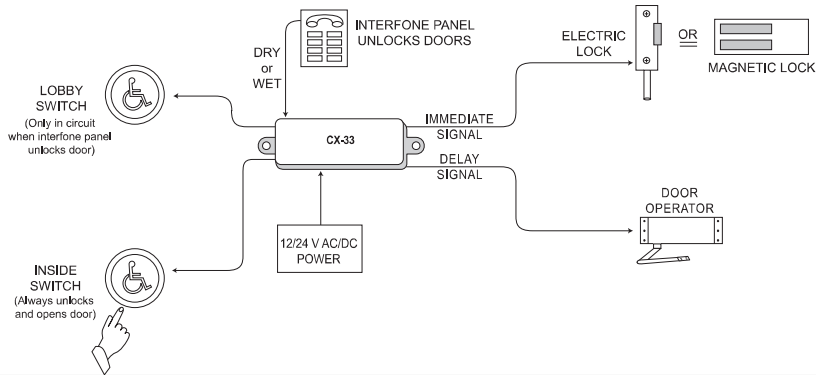
NORMALLY UNLOCKED* SINGLE USE RESTROOM



BI-DIRECTIONAL DOOR SEQUENCER



APARTMENT/CONDO APPLICATION



BARRIER FREE RESTROOM CONTROL

SPECIFICATIONS

VOLTAGE: 12/24VDC
 CURRENT DRAW: CX-WC10: 320MA
 CX-WC11: 360MA
 CX-WC12: 360MA
 CX-WC13: 540MA
 CX-WC14: 830MA
 CX-WC15: 720MA
 CX-WC16: 460MA

ORDERING INFORMATION

EQUIPMENT PACKAGE

CX-WC10: BASIC PUSH BUTTON SYSTEM
 - CX-33 ADVANCED LOGIC CONTROL,
 - CM-400R/8 MUSHROOM (PUSH TO LOCK) BUTTON,
 - CX-MDA MAGNETIC DOOR CONTACT
 ADD SUFFIX 'F' TO MODEL NUMBER FOR FRENCH LANGUAGE

CX-WC11: PUSH BUTTON AND ANNUNCIATOR SYSTEM
 - CX-33 ADVANCED LOGIC CONTROL,
 - CM-400R/8 MUSHROOM (PUSH TO LOCK) BUTTON,
 - CM-AF500 SINGLE GANG LED ANNUNCIATOR,
 - CX-MDA MAGNETIC DOOR CONTACT
 ADD SUFFIX 'F' TO MODEL NUMBER FOR FRENCH LANGUAGE

CX-WC12: 4 1/2" PUSH PLATE AND ANNUNCIATOR SYSTEM
 - CX-33 ADVANCED LOGIC CONTROL,
 - CM-40/8 ALL ACTIVE™ PUSH PLATE SWITCH (PUSH TO LOCK),
 - CM-AF500 SINGLE GANG LED ANNUNCIATOR,
 - CX-MDA MAGNETIC DOOR CONTACT
 ADD SUFFIX 'F' TO MODEL NUMBER FOR FRENCH LANGUAGE

CX-WC13AXFM: FLUSH MOUNT COMBO ILLUMINATED PUSH PLATE SWITCH SYSTEM
 - CX-33 ADVANCED LOGIC CONTROL,
 - CM-2520/4855SE1 FLUSH COMBO ILLUMINATED PUSH PLATE SWITCH ('PUSH TO OPEN' & 'PUSH TO LOCK') WITH SIGN
 - CM-45/455SE1 4 1/2" ILLUMINATED PUSH PLATE (WHEELCHAIR SYMBOL & PUSH TO OPEN) WITH SIGN
 - CX-MDA MAGNETIC DOOR CONTACT
 ADD SUFFIX 'F' TO MODEL NUMBER FOR FRENCH LANGUAGE

CX-WC13AXSM: SURFACE MOUNT COMBO ILLUMINATED PUSH PLATE SWITCH SYSTEM
 - CX-33 ADVANCED LOGIC CONTROL
 - CM-2520/4854SE1 SURFACE COMBO ILLUMINATED PUSH PLATE SWITCH ('PUSH TO OPEN' & 'PUSH TO LOCK') WITH SIGN
 - CM-45/454SE1 4 1/2" ILLUMINATED PUSH PLATE (WHEELCHAIR SYMBOL & PUSH TO OPEN) WITH SIGN
 - CX-MDA MAGNETIC DOOR CONTACT
 ADD SUFFIX 'F' TO MODEL NUMBER FOR FRENCH LANGUAGE



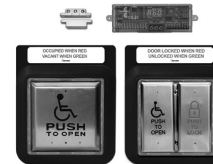
CX-WC10



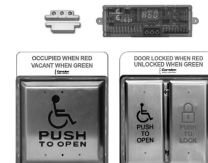
CX-WC11



CX-WC12



CX-WC13AXFM



CX-WC13AXSM



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 3 Meridian Place, Ottawa
 Job No. 19-356

Submission Date: July 08, 2019

EMERGENCY CALL SYSTEM FOR UNIVERSAL & BARRIER FREE RESTROOMS

ORDERING INFORMATION

EQUIPMENT PACKAGE

CX-WEC10 UNIVERSAL RESTROOM KIT FOR USE WITHOUT AUTOMATIC DOOR OPERATOR, OR WITH CX-WC 10, 11, 12, 13 & 14 BARRIER-FREE RESTROOM CONTROL KIT.

- CM-450R/12 'PRESS FOR EMERGENCY ASSISTANCE' MUSHROOM PUSH BUTTON
- CM-AF501SO LED ANNUNCIATOR WITH SOUNDER
- CM-AF141SO DOME LIGHT WITH SOUNDER
- CM-SE21A WHITE PANEL SIGN 6" H X 10 5/8" W (152MM X 270MM).

ADD SUFFIX 'F' TO MODEL NUMBER FOR FRENCH LANGUAGE.

CX-WEC10FE BILINGUAL UNIVERSAL EMERGENCY CALL KIT FOR USE WITHOUT AUTOMATIC DOOR OPERATOR, OR WITH CX-WC 10, 11, 12, 13 & 14 BARRIER-FREE RESTROOM CONTROL KIT.

- CM-450R/12FE 'EMERGENCY ASSISTANCE' MUSHROOM PUSH BUTTON
- CM-AF501SOFE LED ANNUNCIATOR WITH SOUNDER,
- CM-AF141SOFE DOME LIGHT WITH SOUNDER
- CM-SE21A ENG. WHITE PANEL SIGN AND CM- SE20A FR. WHITE PANEL SIGN 6" X 10 5/8" (152 X 270MM).

CX-WEC10K2 UNIVERSAL RESTROOM KIT WITH DOUBLE GANG SWITCH/ ANNUNCIATOR COMBO, FOR USE WITHOUT AUTOMATIC DOOR OPERATOR, OR WITH CX-WC 10, 11, 12, 13 & 14 BARRIER-FREE RESTROOM CONTROL KIT.

- CM-AF540SO 'PRESS FOR EMERGENCY ASSISTANCE' MUSHROOM PUSH BUTTON AND LED ANNUNCIATOR WITH ADJUSTABLE SOUNDER (DOUBLE GANG),
- CM-AF141SO LED DOME LIGHT WITH ADJUSTABLE SOUNDER,
- CM-SE21A WHITE PANEL SIGN 6" X 10 5/8" (152MM X 270MM)

ADD SUFFIX 'F' TO MODEL NUMBER FOR FRENCH LANGUAGE.

CX-WEC11 UNIVERSAL RESTROOM KIT FOR USE WITH CX-WC15 BARRIER-FREE RESTROOM CONTROL KIT.

- AS ABOVE WITHOUT CM-4150R/12 PUSH BUTTON.
- CM-450R/12 'PRESS FOR EMERGENCY ASSISTANCE' MUSHROOM PUSH BUTTON

ADD SUFFIX 'F' TO MODEL NUMBER FOR FRENCH LANGUAGE.

CX-WEC12 UNIVERSAL EMERGENCY CALL KIT WITH PUSH BUTTON RESET. FOR USE WITH MOMENTARY 'PRESS FOR EMERGENCY ASSISTANCE' SWITCHES (EXTRA)

- CM-AF501SO LED ANNUNCIATOR/SOUNDER
- CM-AF141SO DOME LIGHT/SOUNDER
- CM-SE21 WHITE PANEL SIGN
- CX-LRS 24V LATCHING RELAY ASSEMBLY
- CM-8010/13 MOMENTARY, 'PRESS TO RESET' 1" RED PUSH BUTTON.

ADD SUFFIX 'F' TO MODEL NUMBER FOR FRENCH LANGUAGE.

CX-WEC13 UNIVERSAL EMERGENCY CALL KIT WITH KEY SWITCH RESET. FOR USE WITH MOMENTARY 'PRESS FOR EMERGENCY ASSISTANCE' SWITCHES (EXTRA)

- CM-AF501SO LED ANNUNCIATOR/SOUNDER
- CM-AF141SO DOME LIGHT/SOUNDER
- CM-SE21 WHITE PANEL SIGN
- CX-LRS 24V LATCHING RELAY ASSEMBLY
- CM-1205/14 MOMENTARY, 'W/C SYSTEM RESET' KEY SWITCH AND
- CM-1000/60KD, KEY CYLINDER.

ADD SUFFIX 'F' TO MODEL NUMBER FOR FRENCH LANGUAGE.

IN THE EVENT OF AN EMERGENCY PUSH EMERGENCY BUTTON AND AUDIBLE AND VISUAL SIGNAL WILL ACTIVATE



CX-WEC10/10FE

IN THE EVENT OF AN EMERGENCY PUSH EMERGENCY BUTTON AND AUDIBLE AND VISUAL SIGNAL WILL ACTIVATE



CX-WEC10K2

IN THE EVENT OF AN EMERGENCY PUSH EMERGENCY BUTTON AND AUDIBLE AND VISUAL SIGNAL WILL ACTIVATE



CX-WEC11

IN THE EVENT OF AN EMERGENCY PUSH EMERGENCY BUTTON AND AUDIBLE AND VISUAL SIGNAL WILL ACTIVATE



CX-WEC12

IN THE EVENT OF AN EMERGENCY PUSH EMERGENCY BUTTON AND AUDIBLE AND VISUAL SIGNAL WILL ACTIVATE



CX-WEC13



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The Meridian Community Building Rebuild
3 Meridian Place, Ottawa
Job No. 19-356

Submittal Date: July 08, 2019

CAMDEN MOUNTING BOXES

6" ROUND MOUNTING ENCLOSURES - SURFACE

MODEL: CM-69S

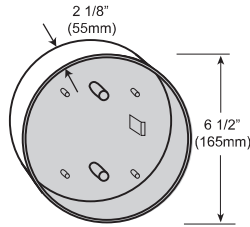
Size: 6 1/2" round, std. depth

Type: Surface mount box

Construction: Flame and impact resistant black polymer (ABS)

Application: Indoor/outdoor, wired or wireless

For Switch Series: CM-60



MODEL: CM-89S

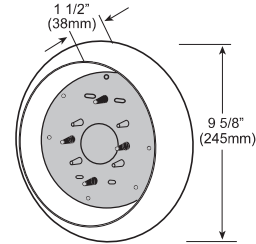
Size: 9 5/8" round, std. depth

Type: Surface mount escutcheon

Construction: Heavy gauge stainless steel

Application: Vandal resistant indoor/outdoor, wired.

For Switch Series: CM-60



MODEL: CM-79

Size: 9 5/8" round, 1 13/16" depth

Type: 2 pcs. surface and semi flush mount escutcheon, gasket and adapter plate included

Construction: Flame and impact resistant black polymer (ABS)

Application: Vandal resistant indoor/outdoor

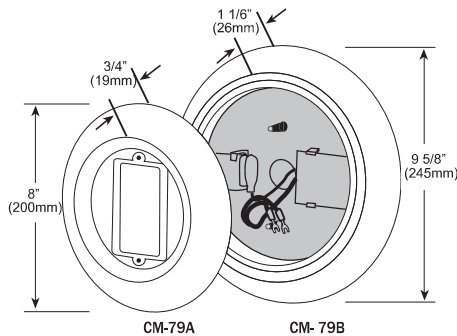
- **CM-79A:** Semi flush mounting on single gang electrical box, wired

- **CM-79B:** Surface mount. Wired or wireless. Must be used with CM-79A

- **CM-79C:** Adapter plate to mount CM-79A on double gang and 4" square electrical box

- **CM-79G:** Gasket for CM-79A or CM-79B

For Switch Series: CM-60



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MKTG-LIT-SP-MOUNTBX R6



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FS 541752



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3 Meridian Place, Ottawa
Job No. 19-356

Submission Date: July 08, 2019



How to order

	90	4	H	US32D	J
Overhead Series:					
90					
Size (door opening using butts or offset pivots):					
2	(23 1/16"–27")				
3	(27 1/16"–33")				
4	(33 1/16"–39")				
5	(39 1/16"–45")				
6	(45 1/16"–54")				
Function:					
H	Hold-open				
F	Friction hold-open				
S	Stop-only				
SE	Special stop-only				
Finishes:					
US3	Polished brass				
US4	Satin brass				
US10	Satin bronze				
US10B	Oil rubbed bronze				
US32	Polished stainless				
US32D	Satin stainless steel				
SP4	Powder coat brass				
SP10	Powder coat bronze				
SP28	Powder coat aluminum				
SP313	Powder coat dark bronze				
SPBLK	Powder coat black				
652	Chrome-like coating				
Options:					
J	Angle jamb bracket				
SHIM	Blade stop shims				
	SHIM 1 1/4" kit				
	SHIM 2 1/2" kit				
	SHIM 3 3/4" kit				
SOC	Pin-in-socket security screws				

Glynn-Johnson • Door holders and stops • 17

100 Series concealed overhead door holders/stops



100 Series heavy-duty

Glynn-Johnson offers a complete line of overhead door holders and stops, accommodating virtually all openings with solutions for even the most complex door control problems. These concealed holders and stops provide the most attractive and reliable heavy-duty door control available.

Glynn-Johnson 100 Series holders and stops provide the most reliable and versatile concealed overhead door control. They are designed for installation on virtually all types of doors mounted on conventional type butt hinges, pivots, continuous hinges, swing clear hinges and numerous other specialty hinges. When used in conjunction with many surface-applied door closers, 100 Series holders and stops provide the most effective control for entrance doors and vestibule doors of all types, as well as heavy or often used interior doors. Templates provided allow for variable mounting positions, ranging from 85° - 110° of opening.

Five models:

- 100H Series hold-open model
- 100HP Series internal hold-open model
- 100F Series friction hold-open model
- 100S Series stop-only model
- 100SE Series special stop-only model

Six sizes:

- Each model comes in six sizes.
- Simple
- Standardized

Three options:

- ADJ—Adjustable jamb bracket
- CJ—Jamb Bracket for use with LCN 5030 closer
- SOC—Pin-in-socket security screw package

Unmatched convenience:

- Non-handed
- Improved compatibility with door closers
- Single/double-acting doors
- Interior/exterior applications

18 • Glynn-Johnson • Door holders and stops

- Reduced door prep
- Durable
- Improved corrosion resistance
- Function conversion kits are available

Materials and finishes

In heavy gauge brass or 300 Series stainless steel, these models offer the broadest range of finishes in the industry, complementing any design and offering the highest resistance to corrosion. Available in the following finishes:

Finishes	Description
US3	Polished brass
US4	Satin brass
US10	Satin bronze
US10B	Oil rubbed bronze
US32	Polished stainless steel
US32D	Satin stainless steel
SP4	Powder coat brass
SP10	Powder coat bronze
SP28	Powder coat aluminum
SP313	Powder coat dark bronze
SPBLK	Powder coat black

Models

These models provide a wide range of optional features, and are ideal for use on entrance and vestibule doors, large doors, doors opened frequently, or doors subject to abuse. These models are also furnished with an offset-style jamb bracket.

Designed for heavy-duty applications, 100 Series models will provide long-lasting protection to doors, frames, hinges, related hardware and surrounding walls or obstructions.

100H Series hold-open

(Suffix H) The hold-open function should be used where it is desired to hold a door open at a predetermined position for short or long periods of time, permitting an unobstructed traffic flow through the opening.

These models are both selective and adjustable, featuring the most reliable hold-open mechanism available. They feature a control knob which protrudes from the face of the door and turns the hold-open function on or off. Set in the inactive position, the unit acts as a stop and shock absorber. The tension on the hold-open mechanism can be adjusted using an allen wrench to offset air currents or other exterior conditions. The hold-open tension adjustment is located in the bottom of the track in the top of the door.

450 Series surface overhead door holders/stops



450 Series medium-duty

Glynn-Johnson provides the most complete line of overhead holders and stops, offering solutions for the most demanding door control problems. These surface-mounted holders and stops offer the widest variety of functions, materials and finishes to fit all medium- to light-duty applications.

Glynn-Johnson 450 Series holders and stops provide reliable and versatile surface-mounted overhead door control for all medium to light-duty applications. The visible components are available in a wide variety of architectural finishes to complement any design.

The 450 Series holders and stops are designed for installation in virtually all types of doors and frames including doors with conventional butt hinges, offset pivots, continuous hinges, swing clear hinges and many other specialty hinges. The templates provided allow for variable mounting positions, ranging from 85° - 110° of opening.

Four models:

- 450H Series hold-open model
- 450S Series stop-only model
- 450F Series friction hold-open model
- 450SE Series special stop-only model

Five sizes:

- Simple
- Standardized
- Each model is available in five sizes

Three options:

- J—Angle jamb bracket
- SHIM—Blade stop SHIM kit
- Soc—Pin-in-socket security screw package

Unmatched convenience:

- Non-handed
- Improved compatibility with door closers
- Improved jamb bracket design

- Single acting doors
- Interior applications
- Durable
- Easy to install
- Improved corrosion resistance

Materials and finishes

In brass, 300 Series stainless steel or steel, these models offer the broadest range of finishes in the industry to complement any design. Brass and stainless steel offer the highest resistance to corrosion, while all these base materials are suitable for normal interior use.

Finish	Description
US3	Polished brass
US4	Satin brass
US10	Satin bronze
US10B	Oil rubbed bronze
US32	Polished stainless steel
US32D	Satin stainless steel
SP4	Powder coat brass
SP10	Powder coat bronze
SP28	Powder coat aluminum
SP313	Powder coat dark bronze
SPBLK	Powder coat black
652	Chrome-like coating

Models

Glynn-Johnson 450 Series holders and stops are designed for medium to light-duty applications. They're ideal for openings that are subject to normal activity, providing protection for the door, frame, hinges and surrounding walls or obstructions.

Designed for improved compatibility with most door closers, all models incorporate popular channel/slide arm design and offset jamb brackets. The improved design makes it easier to change functions in the field, should user requirements change.

450H Series hold-open

(Suffix H) These models conveniently hold doors open at a predetermined position, permitting unobstructed traffic flow.

These models feature an adjustable automatic hold-open that is activated when the door is opened to a preset angle. The hold-open tension can be adjusted using an allen wrench through the end of the slider located in the channel at the top of the door. Each meets the 250,000 test cycles required for Grade 1 classification.



FULL MORTISE

FIVE KNUCKLE HINGES



BB1191
Ball Bearing - Standard Weight
 Brass with stainless steel pin (ANSI A2112) or stainless steel with stainless steel pin (ANSI A5112)



WTBB1191
Ball Bearing - Standard Weight - Wide Throw
 Brass with stainless steel pin (ANSI A2112) or stainless steel with stainless steel pin (ANSI A5112)



BB1279
Ball Bearing - Standard Weight

- Steel with steel pin (ANSI A8112)
- Two ball bearings
- Non-rising removable pin with button tip and plug
- 3-1/2" x 3-1/2" (89 x 89 mm) BB1279 available with reversible hole pattern
- For use on medium weight doors or doors requiring medium frequency service

WTBB1279
Ball Bearing - Standard Weight - Wide Throw

- Steel with steel pin (ANSI A8112)
- Wide throw
- Two ball bearings
- Non-rising removable pin with button tip and plug
- For use on medium weight doors or doors requiring medium frequency service

Hinge Size		Gauge of Metal	Hole Count	Screw Size	
Inches	mm			Machine	Wood
3-1/2 x 3-1/2	89 x 89	0.119	6	1/2 x 10-24	1 x 9
4 x 3-1/2	102 x 89	0.129	8	1/2 x 10-24	1-1/4 x 12
4 x 4	102 x 102	0.129	8	1/2 x 12-24	1-1/4 x 12
4-1/2 x 4	114 x 102	0.134	8	1/2 x 12-24	1-1/4 x 12
4-1/2 x 4-1/2	114 x 114	0.134	8	1/2 x 12-24	1-1/4 x 12
5 x 4	127 x 102	0.145	8	1/2 x 12-24	1-1/4 x 12
5 x 4-1/2	127 x 114	0.145	8	1/2 x 12-24	1-1/4 x 12
5 x 5	127 x 127	0.145	8	1/2 x 12-24	1-1/4 x 12
6 x 4-1/2	152 x 114	0.160	10	1/2 x 1/4-20	1-1/2 x 14
6 x 5	152 x 127	0.160	10	1/2 x 1/4-20	1-1/2 x 14
6 x 6	152 x 152	0.160	10	1/2 x 1/4-20	1-1/2 x 14

Hinge Size		Gauge of Metal	Hole Count	Screw Size	
Inches	mm			Machine	Wood
3-1/2 x 5	89 x 127	0.119	6	1/2 x 10-24	1 x 9
3-1/2 x 6	89 x 152	0.119	6	1/2 x 10-24	1 x 9
4 x 5	102 x 127	0.129	8	1/2 x 12-24	1-1/4 x 12
4 x 6	102 x 152	0.129	8	1/2 x 12-24	1-1/4 x 12
4 x 7	102 x 178	0.129	8	1/2 x 12-24	1-1/4 x 12
4-1/2 x 5	114 x 127	0.134	8	1/2 x 12-24	1-1/4 x 12
4-1/2 x 6	114 x 152	0.134	8	1/2 x 12-24	1-1/4 x 12
4-1/2 x 7	114 x 178	0.134	8	1/2 x 12-24	1-1/4 x 12
4-1/2 x 8	114 x 203	0.134	8	1/2 x 12-24	1-1/4 x 12
5 x 6	127 x 152	0.145	8	1/2 x 12-24	1-1/4 x 12
5 x 7	127 x 178	0.145	8	1/2 x 12-24	1-1/4 x 12
5 x 8	127 x 203	0.145	8	1/2 x 12-24	1-1/4 x 12

Note: Optional concealed bearings available, see page 5 for options.

A	Hinges & Pivots
B	Pulls & Plates
C10	Flush Bolts & Coordinators
D	Latches, Catches & Bolts
E	Stops
F	Exterior Hardware
G	Miscellaneous Hardware



Meets ANSI/BHMA A156.16, L04251.
UL Listed 90 Minute Fire Doors 8'0" x 10'0"

FB458 Top or Bottom Bolts

- When the active door is opened, the lever can be moved to the 'up' position, retracting the bolt and allowing the inactive leaf to be opened. When the inactive leaf is closed, the lever can be moved to the 'down' position, projecting the bolt into the strike and securely locking the inactive leaf.
- Simplified installation in metal frames. Round bolt head requires only a punched hole. Use of strike optional. Special design of guide and flat sided bolt tip to prevent bolt rotation.
- Non-handed.
- Bolt tip is 1/2" diameter.
- Bolt throw is 3/4" with a 7/8" vertical adjustment.
- Bolt backset is 3/4"
- Standard Rod Length is 12", which is measured from the center of the flush bolt body to the bolt tip. Optional Rod Lengths available - 6", 9", 18" and 24" for fire rated Doors. Optional Rod lengths available - 6", 9", 18", 24", 30", 36" and 48" for non-fire rated doors.

DPI or DP2 optional dust proof strike available, see page C11.

Dimensions

Body Size: 1" Wide x 6-3/4" Long x 1-1/8" Deep

Guide Size: 1" Wide x 2" Long x 5/64" Thick

Strike Size: 15/16" Wide x 2-1/4" Long x 5/64" Thick

Finishes

Ives Number	US3	US4	US5	US10	US10B	US15	US26	US26D
BHMA	605	606	609	612	613	619	625	626

C10 Ives Architectural hardware products

A	Hinges & Pivots
B	Pulls & Plates
C	Flush Bolts & Coordinators
D16	Latches, Catches & Bolts
E	Stops
F	Exterior Hardware
G	Miscellaneous Hardware



Meets ANSI/BHMA A156.9 B23013.

345 Adjustable Ball Catch

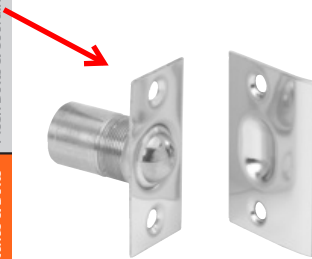
- Ideal for cabinets and small interior doors.
- Free rolling ball insures smooth, positive and trouble-free action.
- Adjustable threaded barrel compensates for various door clearances.
- Adjustable spring tension.
- Made from wrought brass.

Dimensions

Face Plate: 3/4" Wide x 1-1/2" High
 Bore: 1" Deep x 9/16" Diameter
 Strike: 25/32" Wide x 1-1/2" High, Lip to center- 13/32"

Finishes *brass*

Ives Number	B3	B5	B10	B10B	B15	B26	B26D
BHMA	605	609	612	613	619	625	626



Meets ANSI/BHMA A156.9 B23013.

347 Dual Adjustable Ball Catch

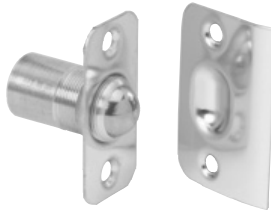
- For catch in door installations.
- Dual adjustment for door clearance and holding strength.
- Lip strike is designed for use where strike is mounted in jamb.
- Free rolling ball insures smooth, positive and trouble-free action.
- Adjustable threaded barrel compensates for various door clearances.
- Adjustable spring tension.
- Made from wrought brass.

Dimensions

Face Plate: 1" Wide x 2-1/8" High
 Bore: 7/8" Diameter x 1-3/8" Deep
 Strike: 1-3/8" Wide x 2-1/8" High, Lip to center- 7/8"

Finishes *brass*

Ives Number	B3	B4	B5	B10	B10B	B15	B26	B26D
BHMA	605	606	609	612	613	619	625	626



Meets ANSI/BHMA A156.9 B23013.

349 Ball Catch

- For catch in door installations.
- Radiused corners allow easy installation with a router.
- Dual adjustment for door clearance and holding strength.
- Lip strike is designed for use where strike is mounted in jamb.
- Free rolling ball insures smooth, positive and trouble-free action.
- Adjustable threaded barrel compensates for various door clearances.
- Adjustable spring tension.
- Made from wrought brass.

Dimensions

Face Plate: 1" Wide x 2-1/8" High
 Bore: 7/8" Diameter x 1-3/8" Deep
 Strike: 1-3/8" Wide x 2-1/8" High, Lip to center- 7/8"

Finishes *brass*

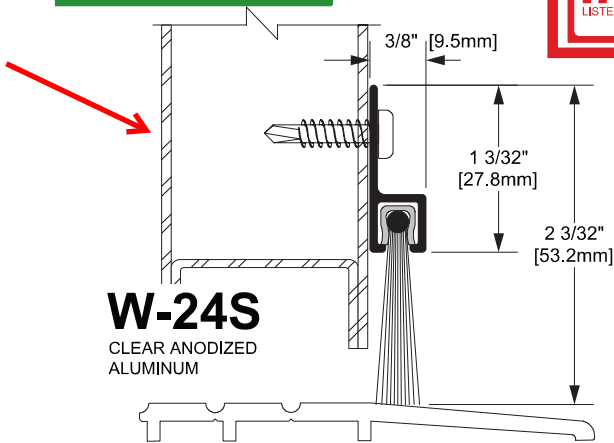
Ives Number	B3	B4	B5	B10	B10B	B15	B26	B26D	B716
BHMA	605	606	609	612	613	619	625	626	

D16

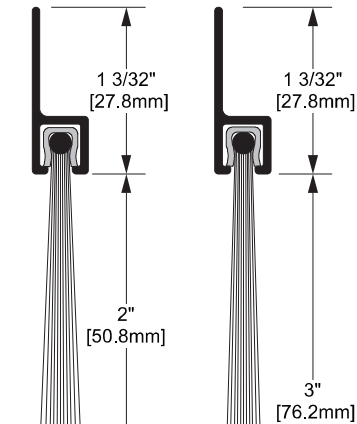
Ives Architectural hardware products

SWEEPS

**ALL PRODUCTS
ON THIS PAGE**

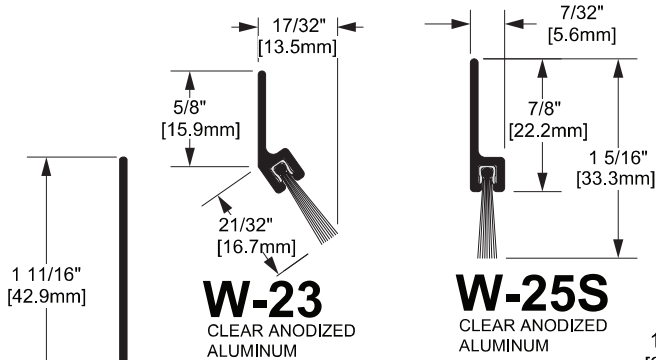


W-24S
CLEAR ANODIZED ALUMINUM



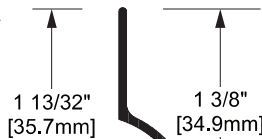
W-33S
CLEAR ANODIZED ALUMINUM

W-34S
CLEAR ANODIZED ALUMINUM



W-23
CLEAR ANODIZED ALUMINUM

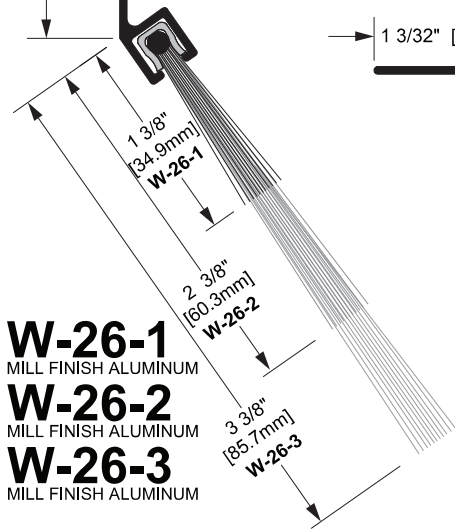
W-25S
CLEAR ANODIZED ALUMINUM



W-35-1
CLEAR ANODIZED ALUMINUM

W-35-2
CLEAR ANODIZED ALUMINUM

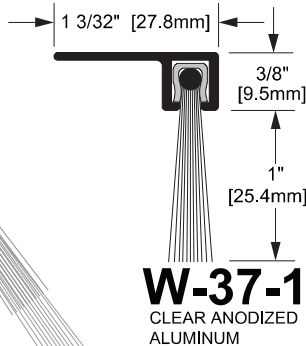
W-35-3
CLEAR ANODIZED ALUMINUM



W-26-1
MILL FINISH ALUMINUM

W-26-2
MILL FINISH ALUMINUM

W-26-3
MILL FINISH ALUMINUM



W-37-1
CLEAR ANODIZED ALUMINUM

100% CANADIAN OWNED AND OPERATED

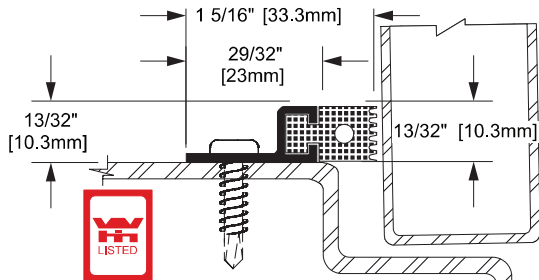
www.kncrowder.com



The Meridian Community Building Rebuild
3 Meridian Place, Ottawa
Job No. 19-356

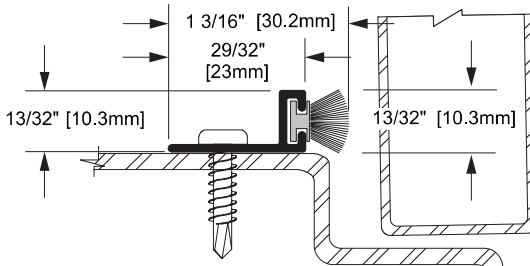
Submission Date: July 08, 2019

WEATHERSTRIP



W-16N

CLEAR ANODIZED ALUMINUM
AND EXTRUDED NEOPRENE



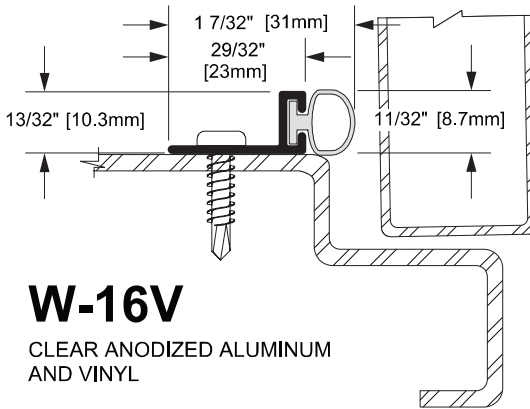
W-16P

CLEAR ANODIZED ALUMINUM
AND PILE WITH FIN SEAL



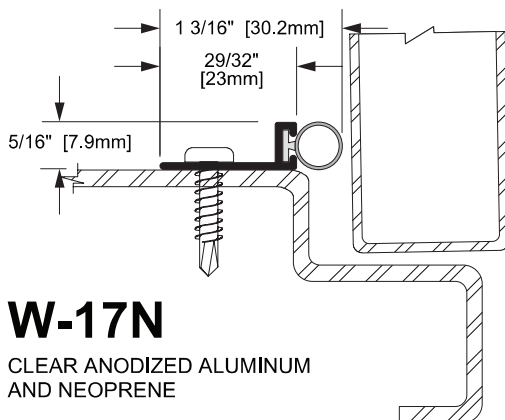
W-16S

CLEAR ANODIZED ALUMINUM
AND SILICONE SEAL



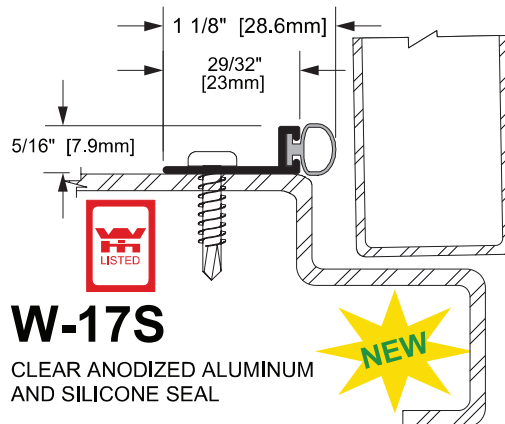
W-16V

CLEAR ANODIZED ALUMINUM
AND VINYL



W-17N

CLEAR ANODIZED ALUMINUM
AND NEOPRENE



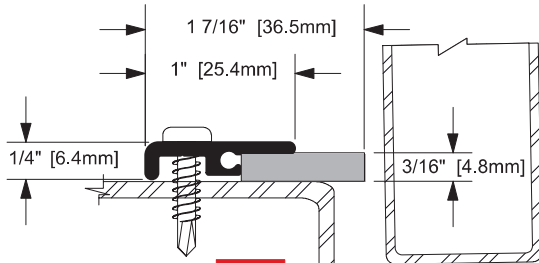
W-17S

CLEAR ANODIZED ALUMINUM
AND SILICONE SEAL

100% CANADIAN OWNED AND OPERATED

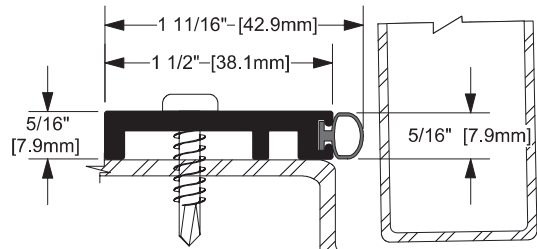
www.kncrowder.com

WEATHERSTRIP



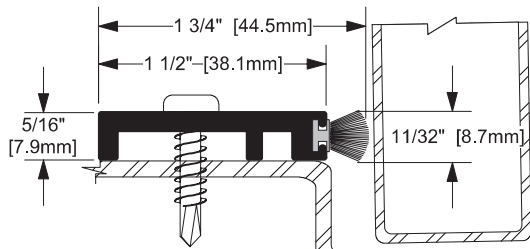
W-18

CLEAR ANODIZED ALUMINUM
AND CLOSED CELL NEOPRENE



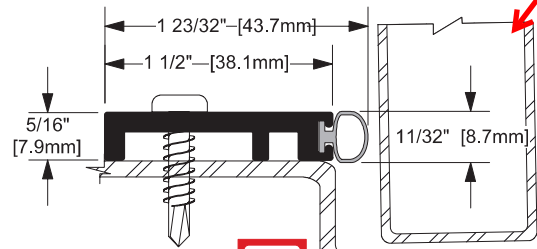
W-20N

CLEAR ANODIZED ALUMINUM
AND NEOPRENE



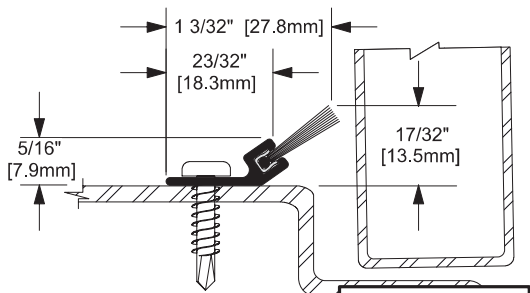
W-20P

CLEAR ANODIZED ALUMINUM
AND PILE WITH FIN SEAL



W-20S

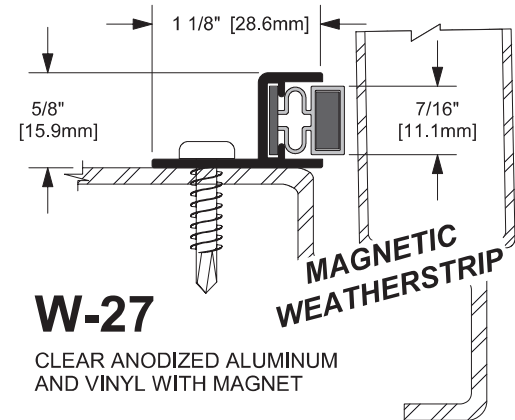
CLEAR ANODIZED ALUMINUM
AND SILICONE RUBBER



W-23

CLEAR ANODIZED ALUMINUM
AND NYLON BRUSH

FULL
BRUSH SEAL
LISTINGS ON
PAGE 27

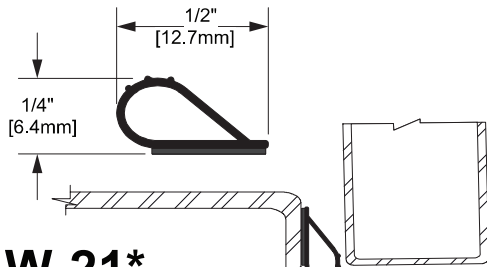


W-27

CLEAR ANODIZED ALUMINUM
AND VINYL WITH MAGNET

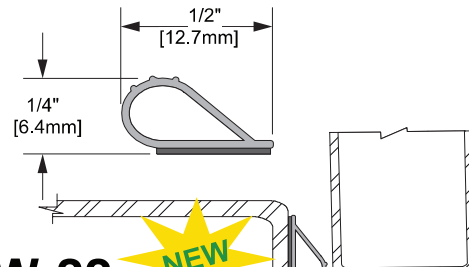
MAGNETIC
WEATHERSTRIP

SELF ADHESIVE WEATHERSTRIP



W-21*

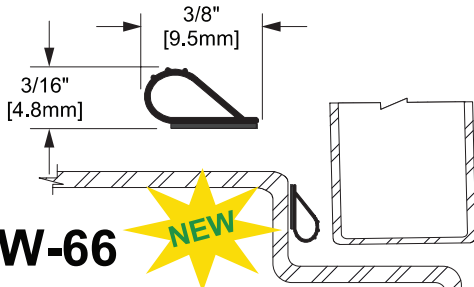
- SANTOPRENE SELF ADHESIVE GASKET
- SMOKE, LIGHT AND SOUND CONTROL
- RESISTS FUNGUS AND MILDEW
- TEMP. RANGE -80° F TO +150° F (-62° C TO +66° C)
- AVAILABLE IN BLACK or BROWN



W-22



- SILICONE SELF ADHESIVE GASKET
- SMOKE, LIGHT AND SOUND CONTROL
- UNAFFECTED BY FUNGUS AND MILDEW
- TEMP. RANGE -110° F TO +400° F (-80° C TO +204° C)
- AVAILABLE IN BLACK or BROWN



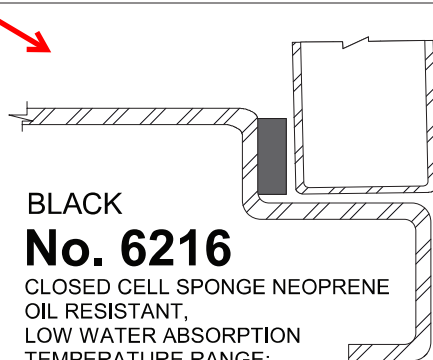
W-66



- SANTOPRENE SELF ADHESIVE GASKET
- SMOKE, LIGHT AND SOUND CONTROL
- RESISTS FUNGUS AND MILDEW
- TEMP. RANGE -80° F TO +150° F (-62° C TO +66° C)
- AVAILABLE IN BLACK or BROWN



*W-21 is approved for use with 90 minute rated mineral core wood, plastic lamfaced fire doors & wood veneered steel frames.



BLACK No. 6216

CLOSED CELL SPONGE NEOPRENE
OIL RESISTANT,
LOW WATER ABSORPTION
TEMPERATURE RANGE:
-70° TO +250° F (-57° C TO +121° C)

ADHESIVE BACKED NEOPRENE WEATHERSTRIP

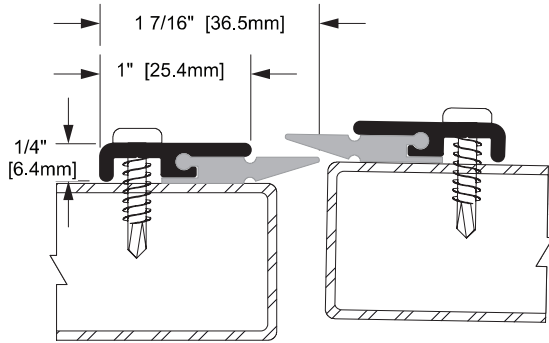
1/16" x 3/8"	3/16" X 1/4"	3/8" X 1/2"
1/16" x 1/2"	3/16" X 3/8"	3/8" X 3/4"
1/8" x 1/4"	3/16" X 1/2"	1/2" X 1/2"
1/8" x 3/8"	1/4" X 3/8"	1/2" X 3/4"
1/8" x 1/2"	1/4" X 1/2"	
	1/4" X 3/4"	

OTHER SIZES/COLOURS, SPECIAL ORDER: CONTACT OFFICE

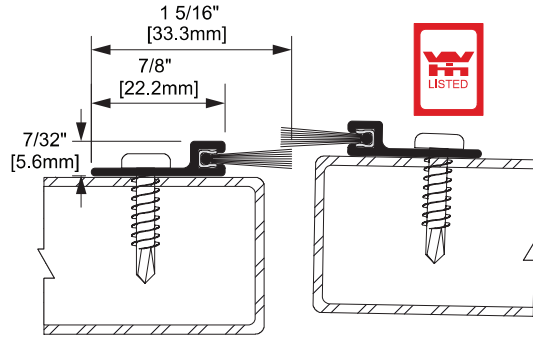
www.kncrowder.com

A PRODUCT OF K. N. CROWDER MFG. INC.

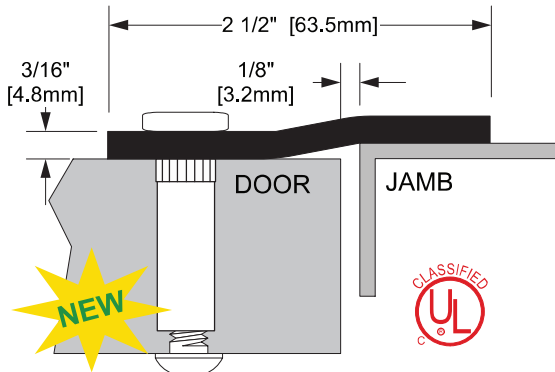
ASTRAGALS



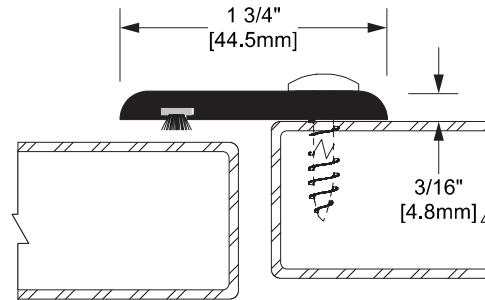
W-5 CLEAR ANODIZED ALUMINUM AND VINYL



W-25 CLEAR ANODIZED ALUMINUM AND NYLON BRUSH



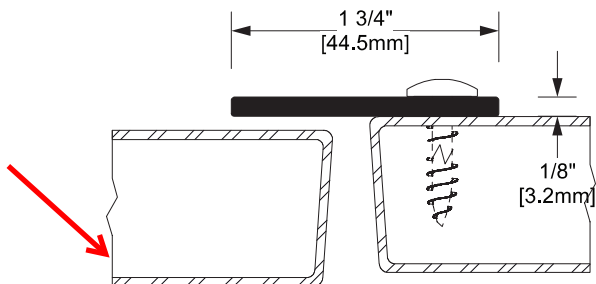
W-7 SECURITY ASTRAGAL
PRIMED C.R. STEEL c/w SECURITY SLEEVE



W-8 EXTRUDED ALUMINUM

W-8P EXTRUDED ALUMINUM WITH PILE

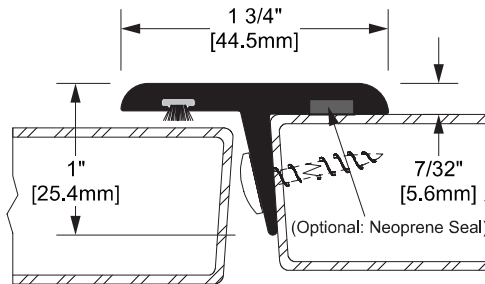
W-8SL EXTRUDED ALUMINUM WITH SILICONE



W-8S C.R. STEEL WITH CONDITIONED EDGES

W-8SP AS ABOVE, PRIMED FINISH

W-8SS STAINLESS STEEL, SEE PG. 20



W-9 EXTRUDED ALUMINUM WITH PILE

W-9S EXTRUDED ALUMINUM WITH SILICONE

4020 Series

Features

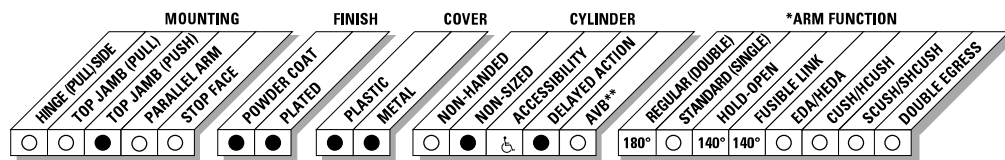


The 4020 is LCN's best performing heavy duty closer designed specifically for institutional and other rugged high traffic applications.

Certifications	Grade 1 - ANSI A156.4, UL 10C, ADA, 100 Hour Salt Spray, Meets BAA - Buy American Act
Body Construction	<ul style="list-style-type: none"> ■ Cast Iron Body ■ Full Complement Bearing ■ 1-1/2" Diameter Piston ■ 11/16" Diameter Double Heat Treated Pinion Journal
Fluid	All Weather Fluid
Handing	Handed
Templating	Peel-n-Stick templates - 2-1-2" x 6" Mounting Hole Pattern
Size	Adjustable 1-5 or Sized 6
Warranty	30 years

Cover	<ul style="list-style-type: none"> ■ Plastic, Standard ■ Metal, Optional
Fasteners	Self Reaming and Tapping Screws (SRT)
Mounting	Top Jamb (Push Side)
Arms	Regular arm
Finishes/Colors/ Powder Coat	<ul style="list-style-type: none"> ■ Aluminum (689) ■ Statuary Bronze (690) ■ Light Bronze (691) ■ Black (693) ■ Dark Bronze (695) ■ Brass (696) ■ Custom colors optional <ul style="list-style-type: none"> ■ Optional SRI primer - powder coat only ■ Optional plated finishes

Special Templates | Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.



● AVAILABLE
○ NOT AVAILABLE

♿ Closer available with less than 5.0 lbs. opening force on 36" door.
* Maximum opening/hold-open point with standard template.
** Advanced Variable Backcheck.

LCN Door Control Catalog
phone: 877-671-7011 ■ fax: 800-248-1460 ■ www.allegion.com/us ■ 009426 rev. 2/16

LCN 13



The Meridian Community Building Rebuild
3 Meridian Place, Ottawa
Job No. 19-356

Submission Date: July 08, 2019

Cylinders



4021(6)-3071
Cast Iron Cylinder Assembly

- Handed
- Standard

Covers



Left Hand Shown

4020-72
Plastic Cover

- Handed
- Standard



Right Hand Shown

4020-72MC
Metal Cover

- Handed
- Required for plated finishes and custom powder coat finishes
- Optional

Arms



4020-3077
Regular Arm

- Non-handed



4020-3077L
Long Arm

- Non-handed
- Includes 4020-79LR for deep reveals, (see page 14 for allowable reveals)
- Optional



4020-3049
Hold-Open

- Handed
- Provides hold-open function, adjustable at elbow
- 5-3/4" (146 mm) maximum reveal, 140° hold open
- Optional



4020-3049FL
Fusible Link

- Handed
- Releases hold-open function, adjustable at shoe, when exposed to temperatures above 165° F
- 3-7/8" (98 mm) maximum reveal
- Optional

NOTE: Check local codes before specifying FL arms. NOT A life safety product!

Installation Accessories



4020-18
Plate

- Required where head frame is less than 3-7/16" (87 mm)
- Requires minimum 1-3/4" (44 mm) minimum head frame and 2" (51 mm) top rail
- 3-7/8" (98 mm) maximum reveal



4020-18G
Plate

- For flush ceiling condition
- Requires minimum 1-3/4" (44 mm) minimum head frame and 2-3/4" (70 mm) top rail

4020 Series

Ordering Information

How-to-order 4020 Series closers

1. Select cylinder size

- 4021 (adjustable from size 1 to 5)
- 4026 (DEL not available)

2. Specify hand

- RH
- LH

3. Select finish

- Standard Powder Coat _____
Aluminum, Dark Bronze, Statuary,
Light Bronze, Black, Brass.

Closer will be shipped with:

- Standard cylinder
- Standard cover
- Regular arm
- Self-reaming and tapping screws
unless options listed below are selected.

Closer options

Cylinder

- Delayed Action (DEL)

Cover

- Metal (MC)

Arm

- Hold-Open (H)
- Fusible Link, 165°F (FL)

Finish

- Custom Powder Coat (RAL) _____
(handed metal cover required)
- Plated Finish, US _____
(handed metal cover required)
- SRI primer (use with powder coat
finishes only)

Screw Pack

- TB* & SRT Screw (TBSRT)
- Wood & Machine Screw (WMS)
- TB*, Wood & Machine Screw (TBWMS)
- TORX Machine Screw (TORX)
- TB* & TORX Machine Screw (TBTRX)
* Specify door thickness if other than 1-3/4"

Installation Accessories

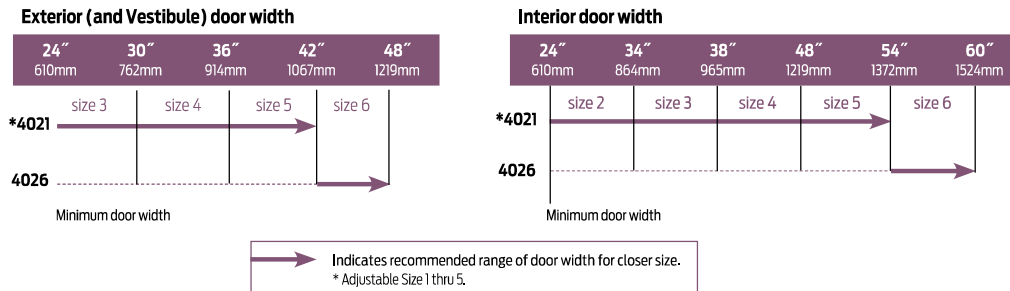
- Plate, 4020-18
- Plate, 4020-18G

Special Template

- ST- _____

Table of sizes


- Select closer based on width of door
- The spring power of non-sized 4021 cylinder is adjustable from size 1 through size 5 and is shipped set to size 3
- Sized 4020 Series cylinders available in size 6
- Delayed action not available with 4026 cylinder



Reduced opening force 4020 Series closers

CAUTION! Any manual door closer, including those certified by BHMA to conform to ANSI Standard A156.4, that is selected, installed and adjusted based on ADA or other reduced opening force requirements may not provide sufficient power to reliably close and latch a door.

Refer to AUTOMATIC OPERATORS section for information on systems that meet reduced opening force requirements without effecting closing power.

	DOOR WIDTH	36"	42"	48"
	8.5* lbs.	4021	4021	4021
5.0* lbs.	4021	4021	4021	

* Maximum opening force.

4110 Series

Features

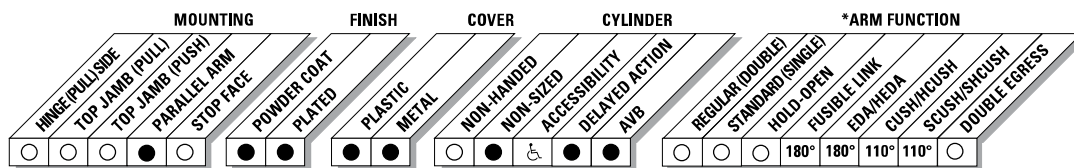


The 4110 is LCN's best performing heavy duty closer designed specifically for institutional and other rugged high traffic applications.

Certifications	Grade 1 - ANSI A156.4, UL 10C, ADA, 100 Hour Salt Spray, Meets BAA - Buy American Act	Cover	<ul style="list-style-type: none"> ■ Plastic, Standard ■ Metal, Optional
Body Construction	<ul style="list-style-type: none"> ■ Cast Iron Body ■ Full Complement Bearing ■ 1-1/2" Diameter Piston ■ 11/16" Diameter Double Heat Treated Pinion Journal 	Fasteners	Self Reaming and Tapping Screws (SRT)
Fluid	All Weather Fluid	Mounting	Parallel Arm (Push Side)
Handing	Handed	Arms	Extra-Duty arm
Templating	Peel-n-Stick templates - 2-1/2" x 6" Mounting Hole Pattern	Finishes/Colors/ Powder Coat	<ul style="list-style-type: none"> ■ Aluminum (689) ■ Statuary Bronze (690) ■ Light Bronze (691) ■ Black (693) ■ Dark Bronze (695) ■ Brass (696) ■ Custom colors optional
Size	Adjustable Spring Size 1-5, or Sized 6, Includes Patented Green Dial		<ul style="list-style-type: none"> ■ Optional SRI primer - powder coat only ■ Optional plated finishes
Warranty	30 years		

Special Templates

Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.



● AVAILABLE
○ NOT AVAILABLE

♿ Closer available with less than 5.0 lbs. opening force on 36" door.
* Maximum opening/hold-open point with standard template.

LCN Door Control Catalog

phone: 877-671-7011 ■ fax: 800-248-1460 ■ www.allegion.com/us ■ 009426 rev. 2/16

LCN

65



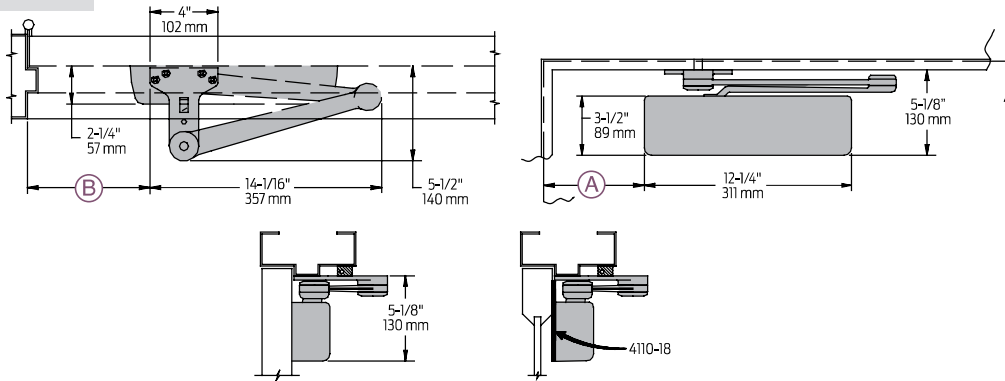
The Meridian Community Building Rebuild
3 Meridian Place, Ottawa
Job No. 19-356

Submission Date: July 08, 2019

4110 Series

Mounting details

Parallel Arm (Push Side) Mounting



Butt Hinges	Should not exceed 5" (127 mm) in width	
Auxiliary Stop	Recommended at hold-open point, where a door cannot swing 180°, or where CUSH-N-STOP arm is not used	
Clearance	EDA, or CUSH shoe is 5-1/2" (140 mm) from door face	
Top Rail	<ul style="list-style-type: none"> Less than 5-1/8" (130 mm) measured from stop requires PLATE, 4110-18 Plate requires 2" (51 mm) minimum measured from the stop 	
Stop Width	Minimum 1" (25 mm)	
Head Frame	Flush or rabbeted requires CUSH FLUSH PANEL ADAPTER, 4110-419	
Reveal	Less than 2-3/4" (70 mm), use CUSH SHOE SUPPORT, 4110-30 with CUSH arms	
Blade Stop Spacer	4110-61 required to clear 1/2" (13 mm) blade stop	
Crush Arm	Requires CUSH SHOE SUPPORT, 4110-30 for fifth screw anchorage with CUSH arms	
Delayed Action	<ul style="list-style-type: none"> Add suffix "DEL" to selected cylinder (eg. 4111 DEL) Not available with 4116 cylinder. Delays closing from maximum opening to approximately 70° Delay time adjustable up to approximately 1 minute 	
Advanced Variable Backcheck	<ul style="list-style-type: none"> Cylinder starts backcheck at approximately 45° instead of the normal 75° Add suffix "AVB" to selected cylinder 	
Maximum opening	EDA or Fusible Link arm can be templated for 100° A = 5-15/16" (151 mm) B = 7-1/4" (184 mm)	CUSH arm can be templated for maximum opening at 85° A = 8-5/16" (211 mm) B = 9-5/8" (244 mm)
	140° A = 4-7/16" (113 mm) B = 5-3/4" (146 mm)	90° A = 7-11/16" (195 mm) B = 9" (229 mm)
	or 180° A = 2-15/16" (75 mm) B = 2-15/16" (75 mm)	or 110° A = 5-9/16" (141 mm) B = 6-7/8" (175 mm)
	<ul style="list-style-type: none"> Hold-open points up to maximum opening with HEDA or Fusible Link arm 	<ul style="list-style-type: none"> Hold-open point at maximum opening with HCUSH arm Spring Cush hold-open points are approximately 5° less than templated stop point

1460 Series

Features

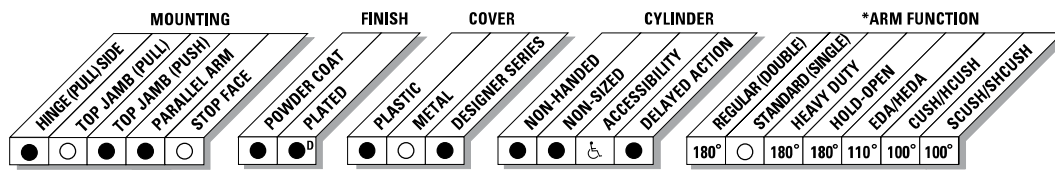


Designed for maximum versatility, the 1460, available with multiple cover options, can be used for both commercial and institutional applications. This fully universal closer offers a wide variety of options and fast and accurate installation.

Certifications	Grade 1 - ANSI A156.4, UL 10C, ADA, 100 Hour Salt Spray, Meets BAA - Buy American Act
Body Construction	<ul style="list-style-type: none"> ■ Cast Iron Body ■ Full Complement Bearing ■ 1-1/4" Diameter Piston ■ 3/4" Diameter Single Heat Treated Pinion Journal
Fluid	All Weather Fluid
Handing	Non-Handed
Templating	Peel-n-Stick templates - 1" x 7-1/2" Mounting Hole Pattern
Size	Adjustable Spring Size 1-6, Includes Patented Green Dial
Warranty	30 years

Cover	<ul style="list-style-type: none"> ■ Slim Line Plastic, Standard ■ Full Plastic and Metal Designer Series, Optional
Fasteners	Self Reaming and Tapping Screws (SRT)
Mounting	Hinge (Pull Side), Top Jamb (Push Side), Parallel Arm (Push Side)
Arms	Standard regular pull side, and top jamb
Finishes/Colors/ Powder Coat	<ul style="list-style-type: none"> ■ Aluminum (689) ■ Statuary Bronze (690) ■ Light Bronze (691) ■ Black (693) ■ Dark Bronze (695) ■ Brass (696) ■ Custom colors optional ■ Optional SRI primer - powder coat only ■ Optional plated finishes

Special Templates | Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.



● AVAILABLE ○ NOT AVAILABLE
 ♿ Closer available with less than 5.0 lbs. opening force on 36" door.
 * Maximum opening/hold-open point with standard template.
 D = For designer series only.

LCN Door Control Catalog
 phone: 877-671-7011 ■ fax: 800-248-1460 ■ www.allegion.com/us ■ 009426 rev. 2/16

LCN 27



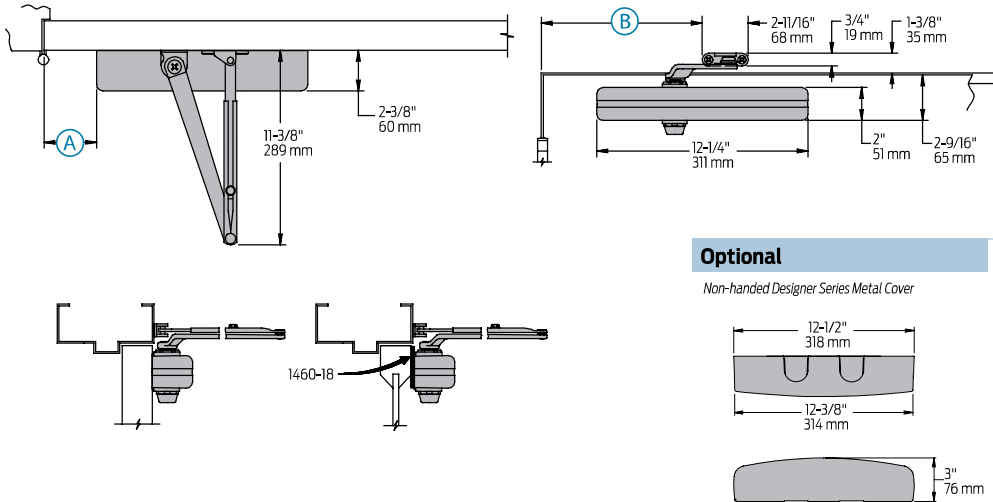
The Meridian Community Building Rebuild
 3 Meridian Place, Ottawa
 Job No. 19-356

Submission Date: July 08, 2019

1460 Series

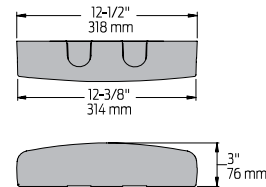
Mounting details

Hinge (Pull) Side Mounting



Optional

Non-handed Designer Series Metal Cover

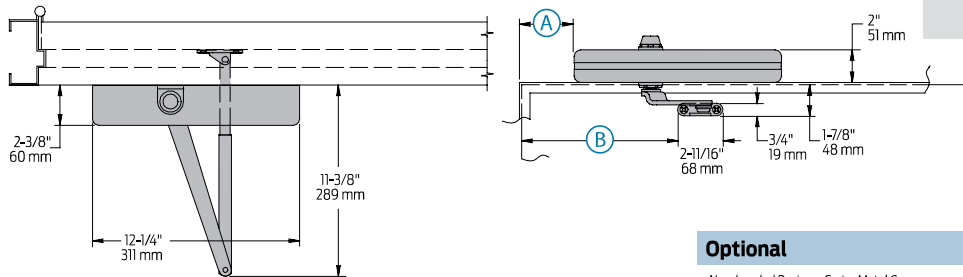


Butt Hinges	Should not exceed 5" (127 mm) in width
Auxiliary Stop	Recommended at hold-open point or where a door cannot swing 180°
Reveal	Should not exceed 3/4" (19 mm) for regular arm or 1/2" (13 mm) for hold-open arm
Top Rail	<ul style="list-style-type: none"> Less than 2-1/2" (64 mm) requires PLATE, 1460-18 With Full cover, use PLATE, 1460-18FC. Plate requires 1-1/2" (38 mm) minimum With Designer Series metal cover, use PLATE, 1460-18DS1
Clearance	2-3/8" (60 mm) behind door required for installation
Delayed Action	<ul style="list-style-type: none"> Add suffix "DEL" to selected cylinder (eg. 1461 DEL) Delays closing from: <ul style="list-style-type: none"> 110° to 65° (using 110° template) 160° to 75° (using 180° template) Delay time adjustable up to approximately 1 minute
Maximum opening	110°: A = 5-7/8" (149 mm) B = 10-7/8" (276 mm) or *180° A = 2-7/8" (73 mm) B = 7-7/8" (200 mm)
Hold-open points up to maximum opening with hold-open arm	
*Frame and trim permitting.	

1460 Series

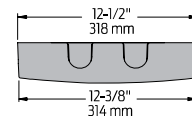
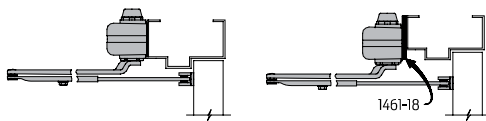
Mounting details

Top Jamb (Push Side) Mounting



Optional

Non-handed Designer Series Metal Cover

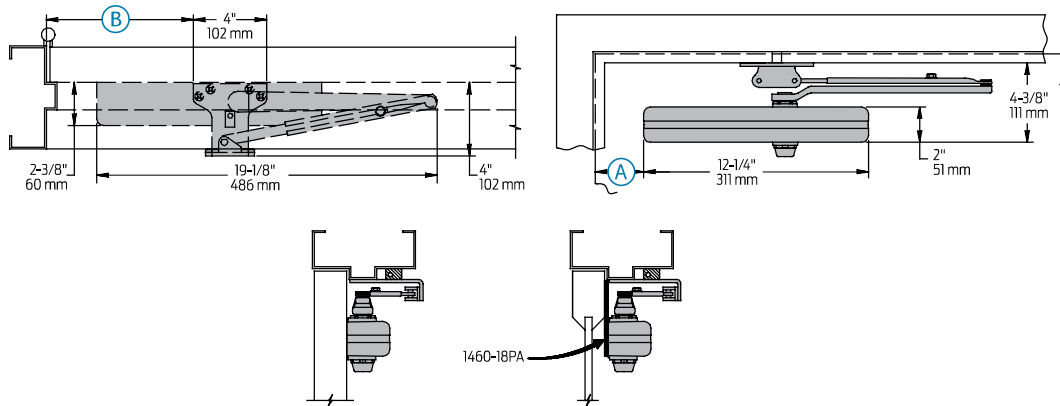


Butt Hinges	Should not exceed 5" (127 mm) in width		
Auxiliary Stop	Recommended at hold-open point or where a door cannot swing 180°		
Reveal	Arm Type	Reveal	Max Opening
	Regular Arm	4-7/8"	Up to 140°
	Regular Arm	3-1/2"	Up to 180°
	Long Arm	7"	Up to 140°
	Hold-Open Arm	2-1/2"	Up to 180°
	Long Hold-Open Arm	4-7/8"	Up to 140°
Top Rail	Requires 1-7/8" (48 mm) minimum, 2-3/4" (70 mm) minimum with closer on PLATE, 1460-18		
Head Frame	Less than 1-3/4" (44 mm) requires PLATE, 1460-18. For flush ceiling condition with 2" (51 mm) head frame, use PLATE, 1460-18		
Delayed Action	<ul style="list-style-type: none"> ■ Add suffix "DEL" to selected cylinder (eg. 1460 DEL). ■ Delays closing: <ul style="list-style-type: none"> 110° to 75° (using 110° template) 180° to 95° (using 180° template) ■ Delay time adjustable up to approximately 1 minute. 		
Maximum opening	110°: A= 6-3/4" (169 mm) B= 11-1/4" (286 mm)		
	101° to 120°: A= 3" (76 mm) B= 7-1/2" (191 mm)		
	Hold-open points up to maximum opening with hold-open arm. *Frame and trim permitting.		

1460 Series

Mounting details

Parallel Arm (Push Side) Mounting



Butt Hinges	Should not exceed 5" (127 mm) in width
Auxiliary Stop	Recommended at hold-open point, where a door cannot swing 180°, or where CUSH-N-STOP arm is not used
Top Rail	<ul style="list-style-type: none"> Less than 4-3/8" (111 mm) measured from the stop requires PLATE, 1460-18PA. With Full cover, use PLATE, 1460-18PAFC Plate requires 1-3/4" (44 mm) minimum. Plate requires 1-1/4" (32 mm) minimum With Designer Series metal cover, use PLATE, 1460-18PADS1
Clearance	1460-62PA shoe projects 4" (102 mm) from door face
Head Frame	Flush or single rabbeted requires PA SHOE ADAPTER, 1460-419
Stop Width	Minimum 1" (25 mm)
Blade Stop	Clearance, requires 1/2" (13 mm) BLADE STOP SPACER, 1460-61
Auxiliary Shoe	<ul style="list-style-type: none"> 1460-62A allows installation of regular arm with overhead holder/stop Special templating required
Delayed Action	<ul style="list-style-type: none"> Add suffix "DEL" to selected cylinder (eg. P1460 DEL) Delays closing from maximum opening to approximately 75° Delay time adjustable up to approximately 1 minute
Maximum opening	Regular or hold-open arm can be templated to 100°: A = 4-1/4" (108 mm) B = 9-1/4" (235 mm) or 180°: A = 1-3/4" (44 mm) B = 6-3/4" (171 mm) Hold-open points up to maximum opening with hold-open arm.

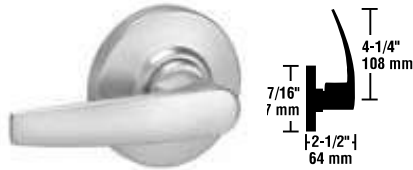
Notes:

- Optional mounting requires PA SHOE, 1460-62PA for REGULAR or HOLD-OPEN arms. Add prefix "P" to closer description (e.g. P1460)
- P1460 closer includes 1460-201 FIFTH HOLE SPACER to support PA SHOE.



AL Series lever designs

Jupiter (JUP)



Symbol: JUP
Material: Pressure cast zinc lever; wrought brass or bronze rose
Suites: S Series **JUPITER**, ND Series **ATHENS** and L Series **07** designs



Neptune (NEP)



Symbol: NEP
Material: Pressure cast zinc lever; wrought brass or bronze rose
Suites: S Series **NEPTUNE**, ND Series **SPARTA** and L Series **17** designs



Omega (OME)



Symbol: OME
Material: Pressure cast zinc lever; wrought brass or bronze rose
Suites: ND Series **OMEGA** and L Series **OMEGA** designs



Saturn (SAT)



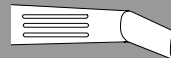
Symbol: SAT
Material: Pressure cast zinc lever; wrought brass or bronze rose
Suites: S Series **SATURN**, H Series **LEVON**, ND Series **RHODES** and L Series **06** designs

Options: Tactile warning



Tactile warning

Milled



Order as follows:
85A for Saturn

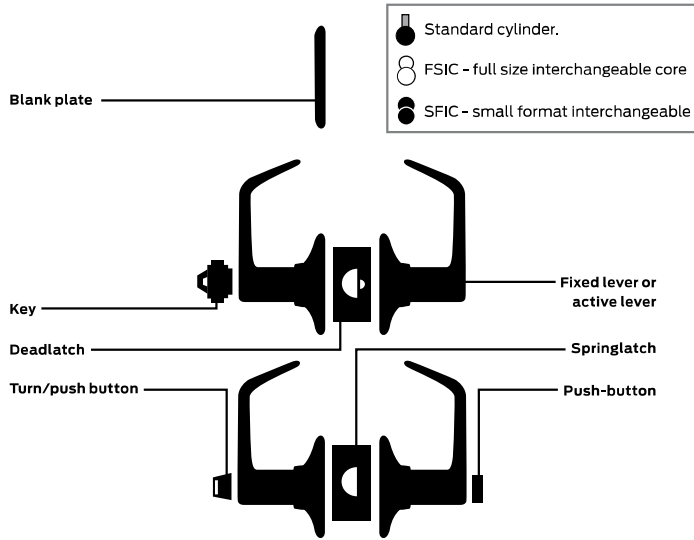
Only available on outside lever, unless otherwise specified

All designs shown in 626 satin chrome

- = Standard cylinder.
- = FSIC - Full size interchangeable core option.
- = SFIC - Small format interchangeable core option.
- = Complies with ADA accessibility guidelines.
- = Antimicrobial coating available on 626 finish only.
- = Meets California code for 1/2" or less return to the door.
- = Extended factory lead time.

Lock functions

ANSI A156.2 Series 4000 Grade 2

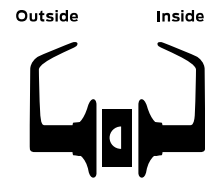


Non-keyed functions

Schlage	ANSI
AL10S	F75

Passage latch

- Both levers always unlocked.
- Inside lever always free for immediate egress.



Schlage	ANSI
AL25D	—

Exit lock

- Blank plate outside.
- Inside lever always unlocked.
- Inside lever always free for immediate egress.
- Specify door thickness.

Outside

Inside



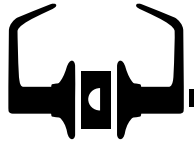
Schlage	ANSI
AL40S	F76

Bath/bedroom privacy lock

- Push-button locking.
- Can be unlocked from outside with small screwdriver.
- Turn inside lever or close door to release button.
- Inside lever always free for immediate egress.

Outside

Inside



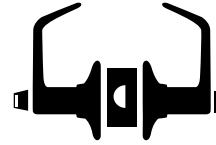
Schlage	ANSI
AL44S	—

Hospital privacy lock

- Push-button locking.
- Unlock from outside by turning emergency turn-button.
- Turn inside lever or close door to release button.
- Inside lever always free for immediate egress.

Outside

Inside



Lock functions

ANSI A156.2 Series 4000 Grade 2

Keyed functions

Schlage ANSI
AL170 **-**

Single dummy trim

- Single dummy trim for one side of door.
- Used for door pull or as matching inactive trim.

Outside or Inside



Schlage ANSI
AL50PD **F82**

Entrance/office lock

- Push-button locking.
- Push-button locks outside lever until it is unlocked with a key or by rotating the inside lever.
- Inside lever always free for immediate egress.

Outside Inside

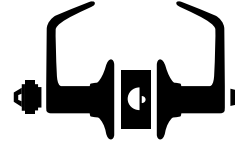


Schlage ANSI
AL53PD **F109**

Entrance lock

- Turn/push-button locking: pushing and turning button locks outside lever, requiring use of a key until the button is manually unlocked.
- Push-button locking: push-button locks the outside lever until it is unlocked by key or by turning the inside lever.
- Inside lever always free for immediate egress.

Outside Inside

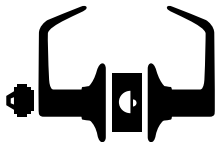


Schlage ANSI
AL70PD **F84**

Classroom lock

- Outside lever is locked and unlocked by key.
- Inside lever is always unlocked.
- Inside lever always free for immediate egress.

Outside Inside



Schlage ANSI
AL80PD **F86**

Storeroom lock

- Outside lever is fixed.
- Entrance by key only.
- Inside lever is always unlocked.
- Inside lever always free for immediate egress.

Outside Inside



Schlage ANSI
AL85PD **F93**

Faculty restroom lock (with indicator cylinder)

- Outside lever is fixed.
- Entrance by key only.
- Push button on inside lever activates visual occupancy indicator, allowing only the emergency masterkey to operate.
- Rotate inside lever or close door to release visual occupancy indicator.
- Rotation of inside spanner button provides lockout feature by keeping indicator thrown.
- Inside lever always free for immediate egress.

Outside Inside



Schlage • AL Series • 11



The Meridian Community Building Rebuild
 3 Meridian Place, Ottawa
 Job No. 19-356

Submission Date: July 08, 2019

Deadbolt designs

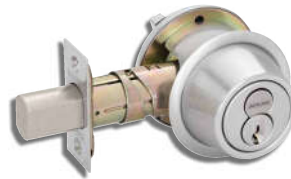
B500 Series

A versatile and economical Grade 2 deadbolt for medium duty commercial and heavy duty residential applications.

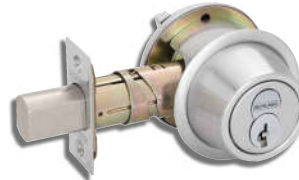
Furnished with conventional cylinder standard.

Available with Primus XP high security cylinder, Primus XP UL437 Listed high security cylinder, full size interchangeable core cylinder, Primus XP interchangeable core cylinder, or small format interchangeable core (SFIC) cylinder.

Fits 2 1/8" (54 mm) prep standard and anti-pry shield can be removed to fit 1 1/2" (38 mm) prep.



Full size interchangeable core



Small format interchangeable core



Thumbturn for B500













Design shown in 626 satin chrome plated



B500 Series with occupied indicator (B571)

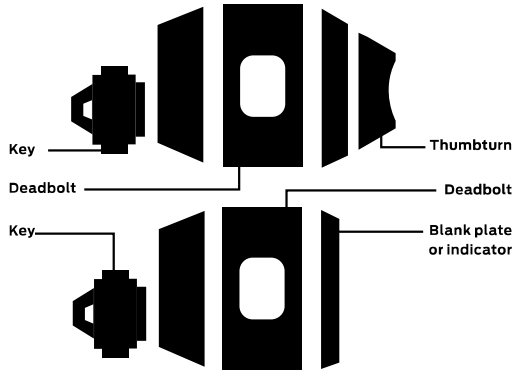
Deadbolt finishes

										
	605 Bright brass	606 Satin brass	609 Antique brass	612 Satin bronze	613 Oil rubbed bronze	619 Satin nickel	625 Bright chromium plated	626 Satin chromium plated	626AM Antimicrobial coating	643e Aged bronze
Product										
B500	•	•	•	•	•	•	•	•	•	•

e = an equivalent finish to the BHMA standard.

Deadbolt functions

ANSI A156.5 bored deadbolt locks

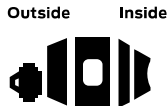


- Standard cylinder.
- FSIC - full size interchangeable core option.
- SFIC - small format interchangeable core option.
- Complies with ADA Accessibility Guidelines.

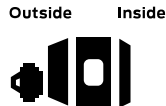
***Caution:**
Double cylinder locks on any door are a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.

ADA compliant:
Schlage Lock Company offers a wide selection of locks designed to meet the Americans with Disabilities Act.

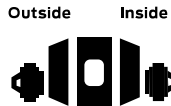
Schlage ANSI
B560P **E0152**
Single cylinder deadbolt
• Deadbolt thrown or retracted by key outside or thumbturn inside.



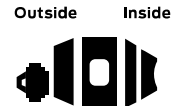
Schlage ANSI
B561 **E0162**
Cylinder only x blank plate deadbolt
• Deadbolt thrown or retracted by key outside.
• Blank plate with exposed screws inside.



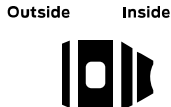
Schlage ANSI
B562P* **E0142**
Double cylinder deadbolt
• Deadbolt thrown or retracted by key either side.



Schlage ANSI
B563 **E0172**
Classroom deadbolt
• Deadbolt thrown or retracted by key outside.
• Inside units retracts bolt only.

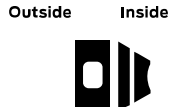


Schlage ANSI
B571 -
Door bolt occupancy indicator
• Deadbolt thrown or retracted by thumbturn inside
• Outside indicator displays "In use" or "Vacant"
• Requires 1 1/2" cross bore prep
• Not UL rated

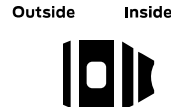


B500

Schlage ANSI
B580 **E0192**
Door bolt
• Deadbolt thrown or retracted by trim unit only.
• Requires 1 1/2" cross bore prep



Schlage ANSI
B581 **E01112**
Door bolt with trim
• Deadbolt thrown or retracted by trim unit only.
• Blank plate outside.
• Requires 1 1/2" cross bore prep



Schlage • B Series • 17



Lock functions

Full mortise deadlocks



Schlage ANSI
L9460 F17

Cylinder x thumbturn lock

Deadbolt thrown or retracted by key outside or thumbturn inside.



L9462 F16
Double cylinder lock*

Deadbolt operated by key from either side.



L9463
Classroom lock

Deadbolt thrown or retracted by key from outside. Inside thumbturn cylinder retracts deadbolt, but cannot project it.



L9464 F18
Cylinder lock

Deadbolt thrown or retracted by key from one side. No trim on opposite side.



L9460 x XL11-635
L9460 with pull

Knob/lever both sides fixed. Deadbolt thrown or retracted by key outside or thumbturn inside.



L9460 x XL11-886
Single cylinder deadlock with pull

Deadbolt thrown or retracted by key outside or thumbturn inside. No latch, but inside knob or lever is spring-loaded. Rotating inside knob/lever also retracts deadbolt. Fixed outside knob/lever.



L9462 x XL11-886
Double cylinder deadlock with pull*

Deadbolt thrown or retracted by key from either side. No latch, but inside knob/lever is spring-loaded. Rotating inside knob/lever also retracts deadbolt. Fixed outside knob/lever.



L9464 x XL11-886
Deadlock with pull

Deadbolt thrown or retracted by key from one side. No latch, but inside knob/lever is spring-loaded. Rotating inside knob/lever also retracts deadbolt. Fixed outside knob/lever.

Lock functions

Small mortise deadlocks



Schlage ANSI
L460 E06071

Cylinder x thumbturn lock

Deadbolt thrown or retracted by key outside or thumbturn inside.



L462 E06061
Double cylinder lock*

Deadbolt operated by key from either side.



L463 E06091
Classroom lock

Deadbolt thrown or retracted by key from outside. Inside thumbturn cylinder retracts deadbolt, but cannot project it.



L464 E06081
Cylinder lock

Deadbolt thrown or retracted by key from one side. No trim on opposite side.



L480
Door bolt

Deadbolt thrown or retracted by thumbturn from one side. No trim on opposite side.



L496
Deadbolt with "occupied" indicator

Deadbolt thrown or retracted by key outside or thumbturn inside. When deadbolt is thrown "Occupied" plate is displayed.
(Previously XL11-911)

Schlage • L Series • 21

SCHLAGE

M490/492

Electromagnetic locks



Overview

M400 Series electromagnetic locks from Schlage are designed with the customer in mind to be robust, easy-to-install, and secure. The unique bayonet mounting feature makes installation easier, allowing the installer to have their hands free during the mounting process.

All M400 Series electromagnetic locks are symmetrical with field-selectable handing, allowing optimum placement of the magnet no matter the application. They are designed to provide automatic voltage sensing for 12 and 24 volts along with polarity protection to make wiring less complex. M490 models are tested and certified to meet or exceed UL 1034 and BHMA 1500 lb hold force requirements.

The M490 electromagnetic locks come in four configurations to meet your specific security needs. Single and double door models are offered in standard configurations. Plus versions of these models with "P" designations add intelligent sensing and reporting features needed to integrate with access control systems along with additional available options. Kits are also available for top jamb, double door, and glass door applications.

Features and benefits

- 1500 lb. hold force rating for maximum security applications
- "Plus" models offer magnetic bond sensor (MBS), adjustable relock time delay (RTD) and door position switch (DPS)
- Automatic voltage selection (AVS)
- Symmetrical design with field-selectable handing for optimum placement
- Bayonet mount simplifies installation by eliminating the need to hold lock overhead while securing
- Armature mount pivot feature compensates for slight opening imperfections
- Optional mounting kits available for top jamb mount, double door and Herculite glass doors
- Aluminum housing in 628 satin finish
- ANSI/BHMA 156.23 Grade 1, UL 1034, UL 10C, cUL, CFSM certifications
- Limited lifetime warranty on magnetic coil assembly

Additional features

All models

- Automatic Voltage Selection (AVS) senses the voltage applied to the lock and responds accordingly

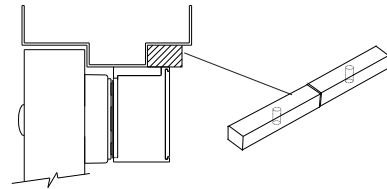
M490P/M492P

- Magnetic Bond Sensor (MBS) monitors the strength of the bond between the lock and armature so you know the door is secure
- Door Position Switch (DPS) monitors whether the door is open or closed
- Relock Time Delay (RTD) provides a relock delay that is adjustable from 0.5 to 30 seconds
- Optional accessories (P models only)
 - ATS/LED Combines anti-tamper switch (ATS) with magnetic bond sensor in one kit.
 - ATS provides an indication that the cover of the magnet is securely fastened to the lock and that the on board circuitry is secure
 - Magnetic bond sensor indicator (LED) provides visual indication of magnetic bond at the lock

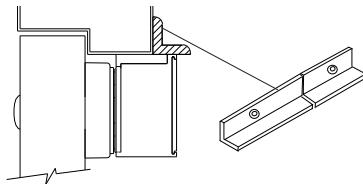
Optional accessories (for all)

- Herculite door bracket kit
- Top jamb (inswinging doors) kit
- Double door connector kit (converts two single magnetic locks to a double)

Filler Plate



Angle Bracket



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M490/M492 electromagnetic lock specifications

Specification	M490/M490P	M492/M492P
Holding force	Meets or exceeds BHMA standard of 1500 lbs	Meets or exceeds BHMA standard of 1500 lbs
Door type	Single	Double
Input voltage (auto selected)	12/24 VDC	12/24 VDC
Current draw	.65A @ 12 VDC .35A @ 24 VDC	1.3A @ 12 VDC .7A @ 24 VDC
Height	3"	3"
Length	12 1/2"	25 1/16"
Depth	1 3/4"	1 3/4"
Weight (approximate)	14 lbs	28 lbs
Certifications	UL 10C, UL 1034, ANSI/BHMA A156.23, cUL, CSFM	UL 10C, UL 1034, ANSI/BHMA A156.23, cUL, CSFM
Temperature	0° to 49°C (32° to 120° F)	0° to 49°C (32° to 120° F)
Wire gauge	14-22 AWG	14-22 AWG

Filler plates and angle brackets specifications

Length	12 1/2"
--------	---------

Filler plates

Width x Height	Plate no.
1 1/4" x 1/8"	4901F
1 1/4" x 1/4"	4902F
1 1/4" x 3/8"	4903F
1 1/4" x 1/2"	4904F
1 1/4" x 5/8"	4905F
3/4" x 1/2"	4906F
3/4" x 5/8"	4907F
3/4" x 3/4"	4908F

Angle brackets

Width x Height	Bracket no.
1" x 1"	4901A
1 1/2" x 1"	4902A
1 1/2" x 1 1/2"	4903A
1 1/2" x 2"	4904A
1 1/2" x 2 1/2"	4905A

About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a \$2 billion company, with products sold in almost 130 countries. For more, visit www.allegion.com.

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650 Series

Keyswitches



Overview

Schlage 650 Series keyswitches utilize an innovative magnetic spring design which allows installers to configure both clockwise and counterclockwise key turn direction as well as momentary or maintained action in seconds. Single gang and narrow stiles are available with numerous options which include heavy-duty plate, weather resistant cover (single gang size only), 2 LED lights – green/red, anti-tamper switch and Schlage Everest cylinder. In addition to the standard (630) satin stainless steel finish, there are six architectural finishes to choose from.

Features and benefits

- Easy to install and maintain
- Single gang and narrow stile offer ultimate flexibility
- Multiple options

Specifications

Innovative magnetic spring technology allows installers to configure models in seconds

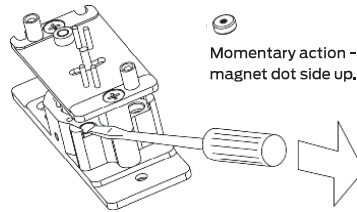
Standard keyswitch

- 5 amp@250 VAC
- Dual voltage
- SPDT contacts

ATS switch closes when cover is on 0.025A@28VDC

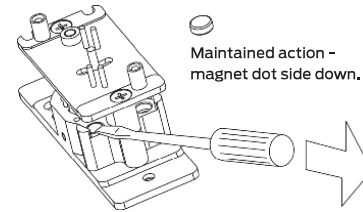
LED indicator lights operate at 12/24 VDC 0.025A@28VDC

Momentary action



Momentary action -
magnet dot side up.

Maintained action



Maintained action -
magnet dot side down.

Ordering information

- 653-04 - SPDT maintained single direction
- 653-05 - SPDT momentary single direction
- 653-14 - DPDT maintained single direction
- 653-15 - DPDT momentary single direction
- 653-1414 - (2) DPDT maintained bi-direction
- 653-1415 - DPDT maintained x DPDT momentary
- 653-1515 - (2) DPDT momentary bi-direction
- 653-041 - SPDT maintained x key remove one position
- 653-0404 - (2) SPDT maintained bi-direction
- 653-0405 - SPDT maintained x SPDT momentary
- 653-141 - DPDT maintained x key remove one position
- 653-0505 - (2) SPDT momentary bi-direction

Options

- L2 - 2 LEDs green and red, dual voltage
- NS - Narrow stile - stainless steel plate (1 3/4" x 4 1/2")
- ATS - Anti-tamper switch
- HDP - Heavy-duty plate 1/4" thick cast zinc (standard 626 satin chrome finish with anti-tamper plugs)
- WP - Weather-resistant cover fits 1 1/8" cylinder only (not available with NS and L2 options)
- CYL - 1 1/4" Schlage Everest® mortise cylinder and 1/8" spacer ring (keyed different)
- CYL-KA - 1 1/4" Schlage Everest mortise cylinder and 1/8" spacer ring (keyed alike)

Finish

- SF-630 - Satin stainless steel (standard)
- SF-626 - Satin chrome
- SF-605 - Bright brass
- SF-612 - Satin bronze
- SF-613 - Oil satin bronze
- SF-625 - Bright chrome
- SF-2 - Black powder coat

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Note: 650 Series keyswitches operate with either a 1 1/8", 1 1/4", 1 3/8", or 1 1/2" cylinder having a straight type cam.

- 1 1/8" mortise cylinder fits direct in key switch - no blocking ring required.
- 1 1/4" cylinders require a 1/8" blocking/spacer ring, Schlage part number 36-079-012 or equivalent (included with the CYL and CYL-KA options).
- 1 3/8" mortise cylinder housing for SFIC cores - requires 1/4" blocking ring Schlage part number 36-079-025 or equivalent.
- 1 1/2" mortise cylinder housing for FSIC cores - requires 3/8" blocking ring Schlage part number 36-079-037 or equivalent.

All cylinders, except 1 1/4" as CYL or CYL-KA options, must be ordered separately.

About Allegion

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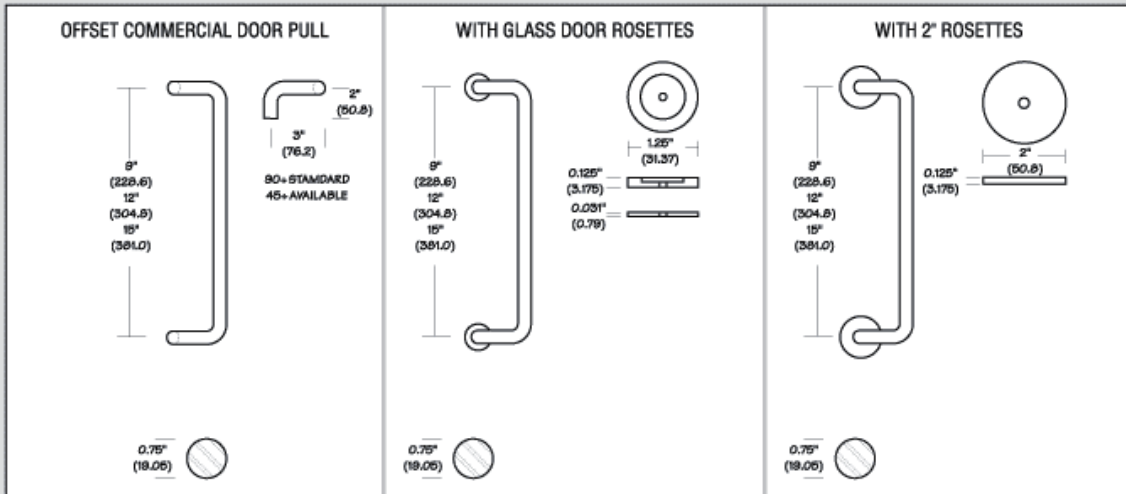
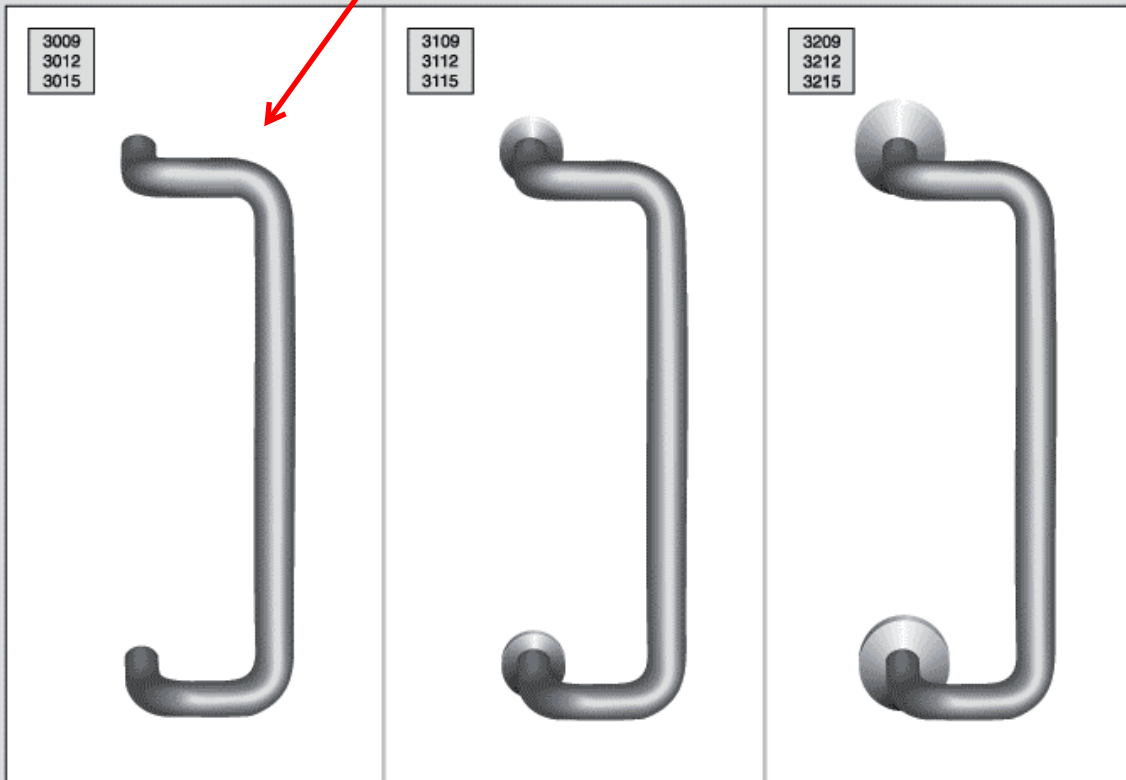


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DOOR PULLS 3000 SERIES

7



DIAMETER CODE	FINISHES	HOW TO ORDER
-2 = 1" -3 = 1.25" -4 = 1.5"	ALL STANDARD	3012-2 = 1" (25.4) DIAMETER x 12" (304.8)C/C 3115 = 0.75" (19.05) DIAMETER x 15" (381.0)C/C C/W GLASS DOOR ROSETTES 3209 = 0.75" (19.05) DIAMETER x 9" (228.6)C/C C/W ROSETTES



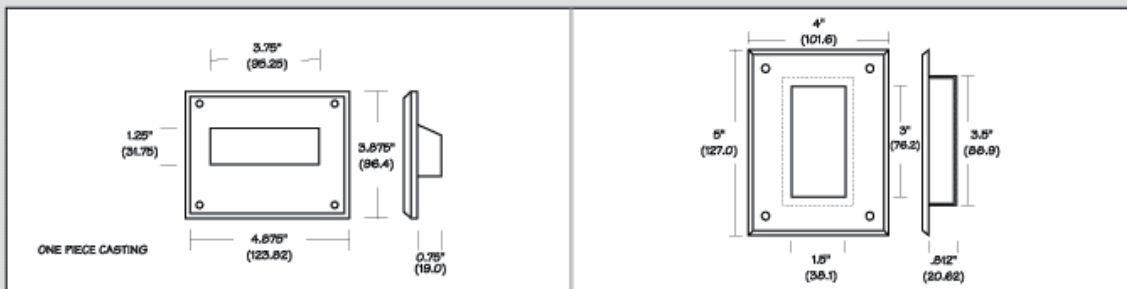
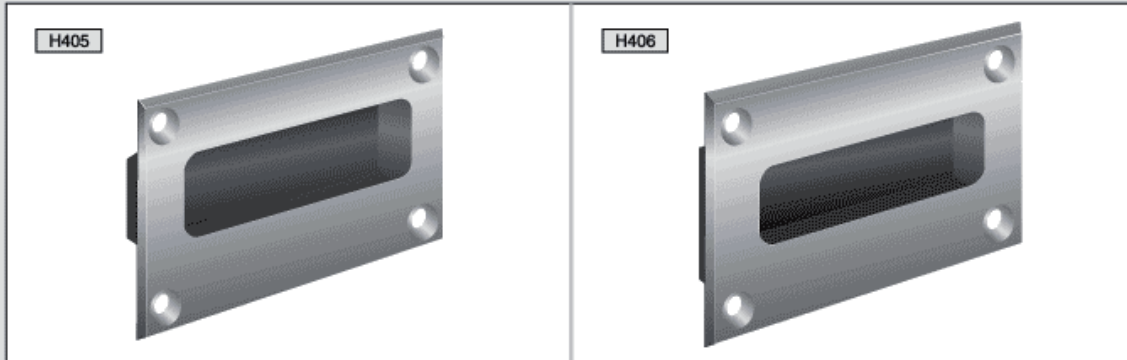
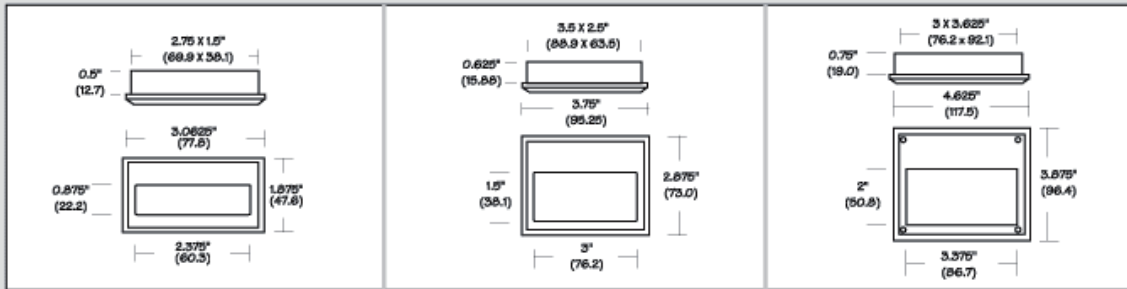
The Meridian Community Building Rebuild
 3 Meridian Place, Ottawa
 Job No. 19-356

Submission Date: July 08, 2019



FLUSH PULLS H SERIES

43



MATERIALS	FINISHES
H402 - H405 CAST BRASS, BRONZE, ALUMINUM H406 - STAINLESS STEEL	ALL STANDARD



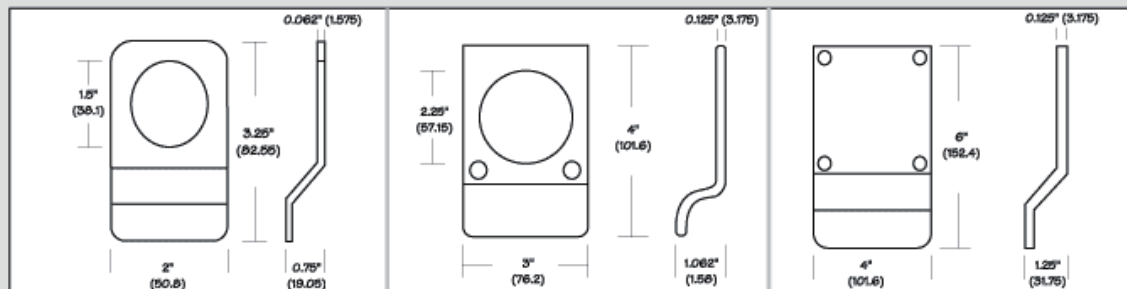
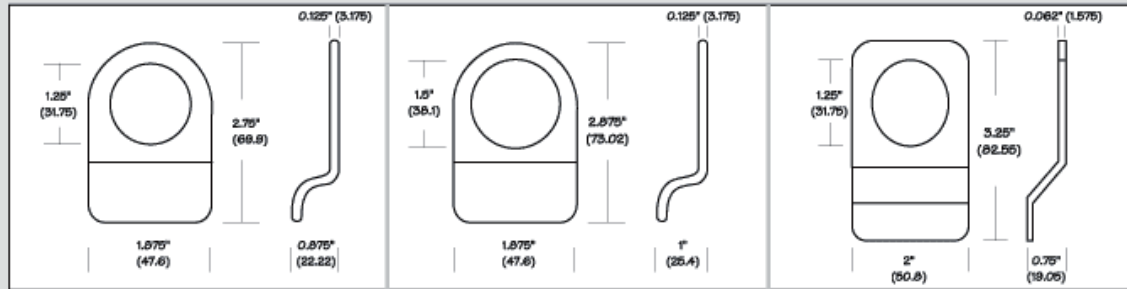
The Meridian Community Building Rebuild
3 Meridian Place, Ottawa
Job No. 19-356

Submittal Date: July 08, 2019



CYLINDER PULLS H SERIES

44



MATERIALS	FINISHES
H407 - H408 CAST BRASS, BRONZE H409 - H410 STEEL H411 - H412 SOLID BRASS, BRONZE, ALUMINUM, STAINLESS STEEL	ALL STANDARD



The Meridian Community Building Rebuild
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 Job No. 19-356

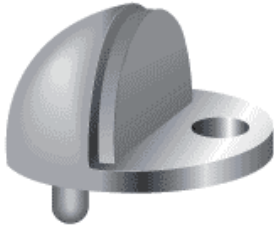
Submittal Date: July 08, 2019



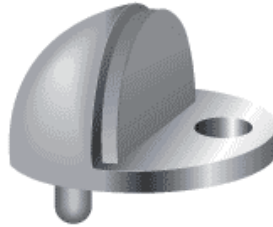
FLOOR STOPS S SERIES

49

S100 DOME DOOR STOP



S101 HEAVY DUTY DOME DOOR STOP



DOME DOOR STOP

S100

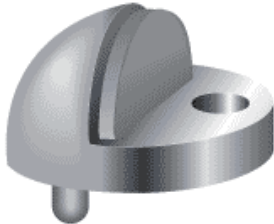
- 1.875" (47.625) DIAM. x 1" (25.4) HIGH x 0.25" (6.35) RISE
- 1 PIECE ZINC DIE CAST CONSTRUCTION
- 0.125 LBS. EACH (0.056KG.)
- SUPPLIED WITH SCREWS & SHIELDS
- STANDARD FINISHES

HEAVY DUTY DOME DOOR STOP

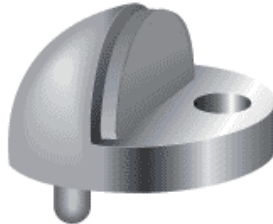
S101

- 1.875" (47.625) DIAM. x 1" (25.4) HIGH x 0.25" (6.35) RISE
- SOLID 1 PIECE BRASS OR BRONZE CASTING
- 0.25 LBS. EACH (0.126KG.)
- SUPPLIED WITH SCREWS & SHIELDS
- STANDARD FINISHES

S102 DOME DOOR STOP



S103 HEAVY DUTY DOME DOOR STOP



DOME DOOR STOP

S102

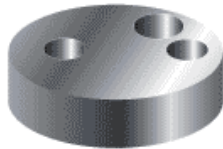
- 1.875" (47.625) DIAM. x 1.312" (33.34) HIGH x 0.5" (12.7) RISE
- 1 PIECE ZINC DIE CAST CONSTRUCTION
- 0.187 LBS. EACH (0.856KG.)
- SUPPLIED WITH SCREWS & SHIELDS
- STANDARD FINISHES

HEAVY DUTY DOME DOOR STOP

S103

- 1.875" (47.625) DIAM. x 1.312" (33.34) HIGH x 0.5" (12.7) RISE
- SOLID 1 PIECE BRASS OR BRONZE CASTING
- 0.375 LBS. EACH (0.176KG.)
- SUPPLIED WITH SCREWS & SHIELDS
- STANDARD FINISHES

- S104** 0.25" (6.35) DOME DOOR STOP RISERS
- S105** 0.5" (12.7) DOME DOOR STOP RISERS
- S106** 0.75" (19.05) DOME DOOR STOP RISERS



DOOR STOP RISER

S104 - 106

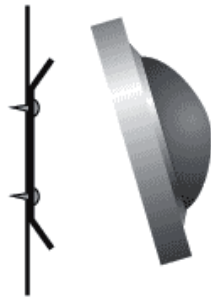
- ZINC DIE CAST CONSTRUCTION
- SUPPLIED WITH SCREWS & SHIELDS
- STANDARD FINISHES



WALL STOPS S SERIES

52

FOR A POSITIVE SECURE INSTALLATION

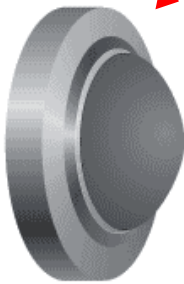


METAL BACKPLATE SECURES TO WALL WITH SCREWS AND SHIELDS

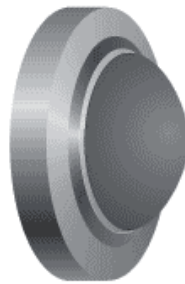


HOUSING AND RUBBER FITS OVER BACKPLATE AND SECURED WITH SET SCREW

S120 CONVEX WALL STOP



S121 HEAVY DUTY CONVEX WALL STOP



CONVEX WALL STOP

S120

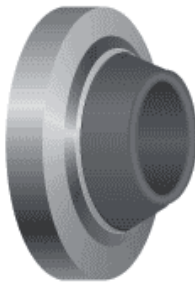
- 2.375" (60.325) DIAM. x 1" (25.4) PROJECTION
- ZINC DIE CAST
- 0.187 LBS EACH (0.085 KG.)
- COMPLETE WITH SCREWS AND SHIELDS
- ALL STANDARD FINISHES

HEAVY DUTY CONVEX WALL STOP

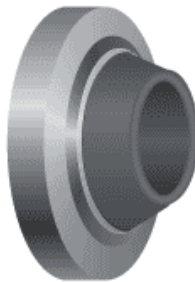
S121

- 2.375" (60.325) DIAM. x 1" (25.4) PROJECTION
- SOLID CAST BRASS OR BRONZE
- 0.375 LBS EACH (0.17 KG.)
- COMPLETE WITH SCREWS AND SHIELDS
- ALL STANDARD FINISHES

S122 CONCAVE WALL STOP



S123 HEAVY DUTY CONCAVE WALL STOP



CONCAVE WALL STOP

S122

- 2.375" (60.325) DIAM. x 1" (25.4) PROJECTION
- ZINC DIE CAST
- 0.187 LBS EACH (0.085 KG.)
- COMPLETE WITH SCREWS AND SHIELDS
- ALL STANDARD FINISHES

HEAVY DUTY CONCAVE WALL STOP

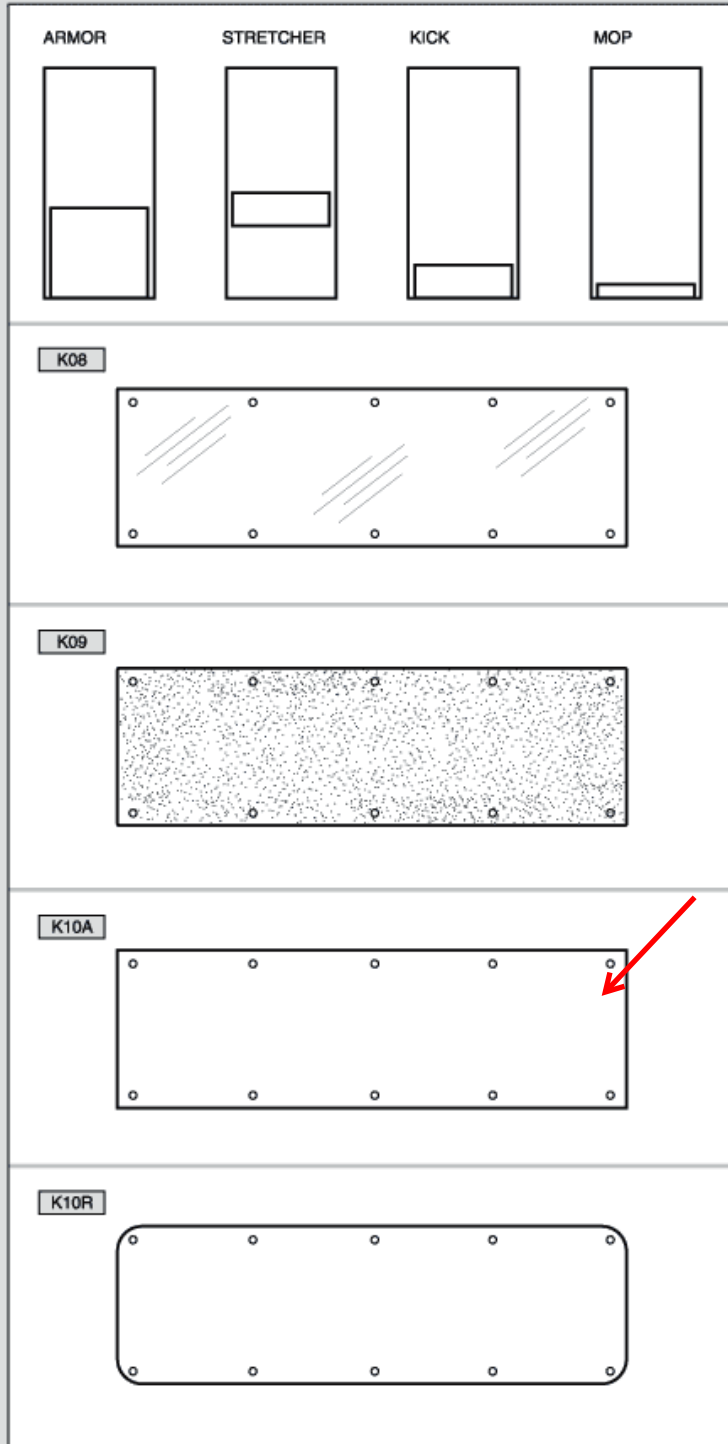
S123

- 2.375" (60.325) DIAM. x 1" (25.4) PROJECTION
- SOLID CAST BRASS OR BRONZE
- 0.375 LBS EACH (0.17 KG.)
- COMPLETE WITH SCREWS AND SHIELDS
- ALL STANDARD FINISHES



DOOR PLATES K SERIES

54



STANDARD FEATURES:

- ALL ARCHITECTURAL FINISHES ARE AVAILABLE
- PROTECTIVE PLASTIC COVER
- COUNTERSUNK SCREW HOLES
- #6 x 0.625" (16) UNDERCUT S.M.S.
- #6 x 0.375" (8.5) MACHINE SCREWS ON REQUEST
- AVAILABLE TAPE OR EPOXY MOUNTING
- BRASS & BRONZE PLATES STOCKED UP TO 24" (609.6) HEIGHT
- ALUMINUM, ACRYLIC, KYDEX & ST. STEEL PLATES, STOCKED UP TO 48" (1219.2) HEIGHT

CLEAR ACRYLIC PLATE OR PUSHPLATE

K08

- 0.125" (3.81) THICKNESS
- ALL EDGES BEVELLED

KYDEX (PVC & ACRYLIC, TEXTURED FINISH) PLATE OR PUSHPLATE

K09

- 0.060" (1.52) OR 0.090" (2.28) THICKNESS
- ALL EDGES BEVELLED
- TAPE OR EPOXY MOUNTING (EPOXY RECOMMENDED)
- STOCK COLOURS: BEIGE, BLACK, BLUE, GRAY & WHITE
- OVER 30 COLOURS AVAILABLE

SOLID METAL PLATES: ALUMINUM, BRASS, BRONZE & STAINLESS STEEL

K10A • 0.050" (1.27) THICKNESS

K10B • 0.062" (1.57) THICKNESS

K10C • 0.125" (3.81) THICKNESS

K10R

- KICK PLATE WITH RADIUS CORNERS

ECONOMY DOORPLATES

- AVAILABLE IN STAINLESS STEEL ONLY

K10-430

- TYPE 430, LOW GRADE STAINLESS

K10-20

- 20 GAUGE THICKNESS, 0.037" (0.94)

22-F Rim fire exit device



22-F Rim fire exit devices for all types of single doors up to 4' x 8' (1219 mm x 2438 mm) or 8' x 8' (2438 mm x 2438 mm) double doors with 9954 or 9854 mullion, UL listed for Fire Exit Hardware. Devices are ANSI A156.3 – 2008 Grade 1. Fits door stiles as narrow as 4 1/8" (111 mm). The device is non-handed.

Finishes – SP28 & SP313.

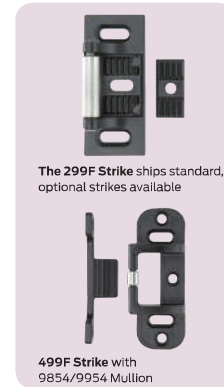
Specifications

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 3/16" (1011 mm) 39 1/16" (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" (19mm) 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 (see next page for quantities)
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	No mechanical dogging
Strikes	299F, 499F for mullions – Dull black

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"	299F/499F	Yes	—	26,500" (673 mm)	33,250" (845 mm)
1/2"	299F/499F	—	KR/9854/9954	27,000" (686 mm)	33,750" (857 mm)
3/8"	299F/499F	Yes	—	26,750" (679 mm)	33,500" (851mm)
3/8"	299F/499F	—	KR/9854/9954	27,125" (689 mm)	33,875" (860 mm)

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



The 299F Strike ships standard, optional strikes available

499F Strike with 9854/9954 Mullion

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

CON

Allegion Connectors

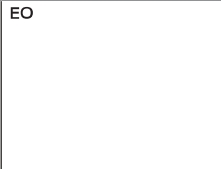


- Common connectors to connect various door hardware all the way to the power supply

LX




Latchbolt monitor switch

- Signals use of opening
- SPDT Switch to monitor latchbolt

Standard trim

	EO	NL	NL-OP
			
	No outside trim Exit only	Night latch Key retracts latchbolt	Night latch Key retracts latchbolt optional pull required
Product description	22EO-F	22NL-F	22NL-OP-F
Trim description	—	210NL**	110NL-MD** 110NL-WD**
Escutcheon plate size	—	5 ⁷ / ₈ " x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (137 x 121 x 2 mm)	—
Pull center to center	—	—	—
Projection	—	1 ³ / ₃₂ " (42 mm)	—
ANSI function	01	03	03
Cylinder type	—	Rim	Rim
Handing	—	—	—
Optional trim	230EO	230NL	—
*Optional #425 sex bolt quantity for device	6 (with no trim) 2 (with EO trim)	2	6
*Additional 425 SNB for 499F strike	2	2	2

*Sex Bolts are required for wood fire doors
**ANSI/BHMA A156.3 (2008) Grade 1 trim

	TP	K	L
			
	Thumbpiece Key Locks & Unlocks	Knob Key Locks & Unlocks	Lever Key Locks & Unlocks
Product description	22TP-F	22K-F	22L-F
Trim description	230TP**	210K	230L**
Escutcheon plate size	3" x 12 ¹ / ₁₆ " x 3 ³ / ₃₂ " (76 x 306 x 2 mm)	3" x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (76 x 121 x 2 mm)	3" x 6 ³ / ₈ " x 1 ⁵ / ₁₆ " (76 x 162 x 24 mm)
Pull center to center	5 ¹ / ₂ " (140 mm)	—	—
Projection	2" (51 mm)	2 ¹⁵ / ₁₆ " (75 mm)	2 ¹ / ₈ " (67 mm)
ANSI function	05	08	08
Cylinder type	1 ¹ / ₂ " Mortise	Furnished	1 ¹ / ₂ " Mortise
Handing	—	—	—
Optional trim	230TP-BE	210K-BE	230L-BE
*Optional #425 sex bolt quantity for device	2	2	2
*Additional 425 SNB for 499F strike	2	2	2

*Sex Bolts are required for wood fire doors
**ANSI/BHMA A156.3 (2008) Grade 1 trim

22-F Rim fire exit device

Von Duprin 22 Series • 11



The Meridian Community Building Rebuild
3 Meridian Place, Ottawa
Job No. 19-356

Submission Date: July 08, 2019

22 Optional trim

210 Series trim







The 210DT and 210NL have a heavy 10 gauge (2,4mm) stainless steel escutcheon. Rim Cylinder must be ordered separately for the 210NL trim. The 210K knob trim has a 10 gauge (2,4mm) steel escutcheon and uses the Schlage "A" orbit knob with six pin "C" keyway.

110NL Cylinder kit

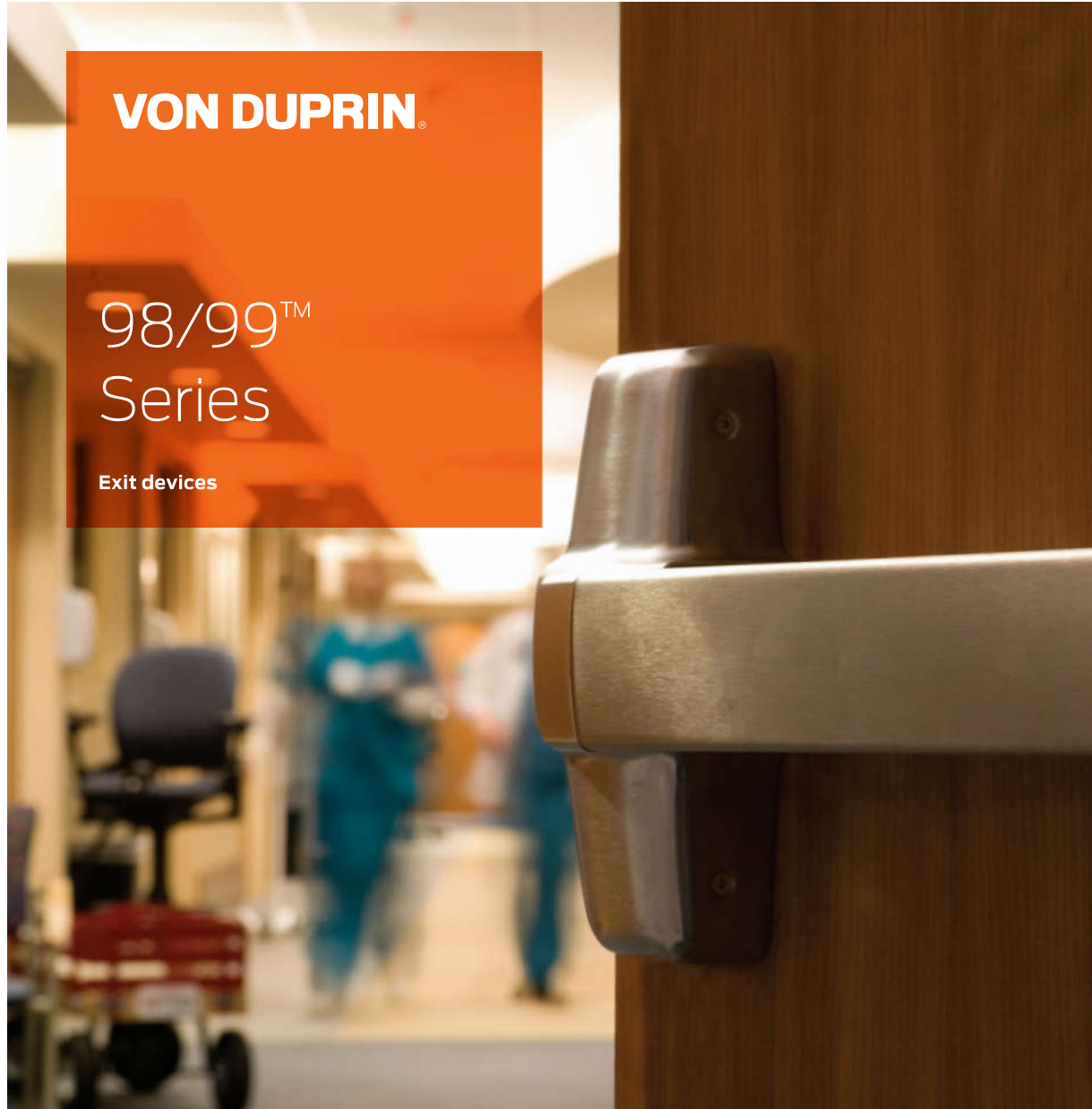
Cylinder kit is available MD for metal doors or WD for wood doors. Metal door application supplied standard if door material is not specified. When ordering with device, specify function NL-OP. Rim Cylinder must be ordered separately.

230 Series trim

The 230EO, 230DT, 230NL and 230TP have a heavy 10 gauge (2,4mm) steel escutcheon. The 230L has a cast zinc 3/4" (19mm) depth escutcheon. #06 lever style furnished standard, #03 and #17 optional style levers are available. 230L furnished RHR if handing is not specified. Cylinder must be ordered separately for the 230NL, 230TP and 230L trims.

	EO	DT	NL	TP-BE	L-BE	K-BE
						
	Exit only plate	Dummy trim pull when dogged	Night latch key retracts latch bolt	Thumbpiece blank escutcheon always operable, no cylinder	Lever blank escutcheon always operable, no cylinder	Knob blank escutcheon always operable, no cylinder
Trim description	230EO	230DT**	230NL**	230TP-BE**	230L-BE**	210K-BE
Escutcheon plate size	3" x 12 1/16" x 3/32" (76 x 306 x 2 mm)	3" x 12 1/16" x 3/32" (76 x 306 x 2 mm)	3" x 12 1/16" x 3/32" (76 x 306 x 2 mm)	3" x 12 1/16" x 3/32" (76 x 306 x 2 mm)	3" x 6 3/8" x 15/16" (76 x 162 x 24 mm)	3" x 4 25/32" x 3/32" (76 x 121 x 2 mm)
Pull center to center	—	5 1/2" (140 mm)	5 1/2" (140 mm)	5 1/2" (140 mm)	—	—
Projection	—	2" (51 mm)	2" (51 mm)	2" (51 mm)	2 5/8" (67 mm)	2 15/16" (75 mm)
ANSI function	01	02	03	—	—	—
Cylinder type	—	—	Rim	—	—	—
*Optional #425 sex bolt quantity for device	2	2	6	—	2	2
*Additional 425 SNB for 499F strike	2	2	2	2	2	2

*Sex Bolts are required for wood fire doors
**ANSI/BHMA A156.3 (2008) Grade 1 Trim



Lever styles

Decorative levers



M51
Knurling available



M52
Knurling available



M53



M54



M55



M56



M57 **



M61
(Handed)



M62 **
(Handed)



M63
(Handed)



M81
Knurling available



M82



M83



M84



M85
(Handed)

** Available in Stainless Steel substrate ONLY.

Standard Levers



01



02
Knurling available



03*
Knurling available



05



06*
Default lever
Knurling available



07



12
(Handed)



16
(Omega)



17*
Knurling available



18



ACC
(Accent)
(Handed)



AST
(Asti)
(Handed)



MER
(Merano)
(Handed)



LAT*
Latitude

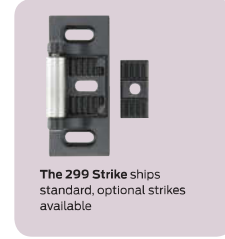


LON*
Longitude

*Available in Stainless Steel - specify SS when ordering

Von Duprin 98/99 Series • 7

98/99 Rim exit device



The 299 Strike ships standard, optional strikes available

Hex key dogging comes standard on 98/99 Rim exit devices



98 and 99 Rim exit devices 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 98 device has a smooth mechanism case and the 99 device has a grooved case. The rim device is non-handed except when the following device options are used: SD (special dogging), -2 (double cylinder) or SS (signal switch). See Opposite page for available outside trim and device functions. Covers stock hollow metal doors with 86 or 161 cutouts on single doors (may cover cutouts on pairs – consult template).

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E, US15 and US32D available with 98 Series only.

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.	
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 ¹ / ₁₆ " (1008 mm) with mullion	
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)	
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 screw pack for 1 ³ / ₄ " (44mm) and 2 ¹ / ₄ " (57mm) thick metal or wood doors. Optional 425 SNB available, see page 9 for quantities.	
Electric options	LX	Latchbolt monitor switch
	RX	Pushpad monitor switch
	RX2	Double pushpad monitor switch
	E	Electric locking & unlocking trim
	EL	Electric latch retraction
	QEL	Quiet electric latch retraction
	SS	Signal switch
	CX	Chexit delayed exit
	ALK	Alarm exit kit
	WP-RX	Waterproof request to exit
	CON	Allegion Connect
Mechanical options	-2	Double cylinder
	AX	Accessible device
	GBK	Glass bead kit
	PN	Pneumatic latch retraction
	XP	Extra protection
	SNB	Sex bolts
	SEC	Security screws
Dogging feature	Hex key dogging standard	
Dogging options	CD	Cylinder dogging
	SD	Special center case dogging
	LD	Less dogging
	DI	Dogging indicator
	CI	Cylinder dogging indicator
Strikes	299 – Dull black	

XP

Extra protection

- 90° latch-to-strike contact
- Force resistance of 2,000+ lbs.

CD

Cylinder dogging

- Replaces hex key dogging
- Requires 1 1/2" mortise cylinder with inverted cam

QEL

Quiet electric latch retraction

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

RX

Pushpad monitor switch

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

CX

Chexit delayed exit

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

AX

Accessible device

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

EL

Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

ALK

Alarm exit kit

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

PN

Pneumatic latch retraction

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

CON

Allegion Connectors

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

Standard trim

	EO	DT	NL	NL-OP
Product description	98EO 99EO	98DT 99DT	98NL 99NL	98NL-OP 99NL-OP
Trim description	—	990DT	990NL-R/V	110NL-MD 110NL-WD
Escutcheon plate size	—	3" x 14 ¹³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	3" x 14 ¹³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	—
Pull center to center	—	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	—
Projection	—	2" (51mm)	2" (51mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL	
Optional #425 SNB quantity for device	6	2	2	6

	L	L-NL	L-BE	L-DT
Product description	98L 99L	98L-NL 99L-NL	98L-BE 99L-BE	98L-DT 99L-DT
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / ₃₂ " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ¹ / ₈ " (73mm)	2 ¹ / ₈ " (73mm)	2 ¹ / ₈ " (73mm)	2 ¹ / ₈ " (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Notes

98-F/99-F Rim exit device



98-F and 99-F Rim fire exit devices for all types of single doors up to 4' x 10' (1219mm x 3048mm) or 8' x 10' (2438mm x 3048mm) double doors with 9954 or 9854 mullion, UL listed for fire exit hardware. See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156,3 – 2014 Grade 1. The 98-F device has a smooth mechanism case and the 99-F device has a grooved case. The rim device is non-handed except when the following device options are used: -2 (double cylinder) or SS (signal switch). See opposite page for available outside trim and device functions.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E, US15 and US32D available with 98 Series only.

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.
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" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₂ " (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 screw pack for 1 ³ / ₄ " (44mm) and 2 ¹ / ₄ " (57mm) thick metal or wood doors. Optional 425 SNB available for metal doors. 425 & 825 SNB required on wood doors without SLM blocking. See page 11 for quantities.
Electric options	LX Latchbolt monitor switch RX Pushpad monitor switch RX2 Double pushpad monitor switch E Electric locking & unlocking trim EL Electric latch retraction QEL Quiet electric latch retraction SS Signal switch CX Chexit delayed exit ALK Alarm exit kit WP-RX Waterproof request to exit CON Allegion Connect
Mechanical options	-2 Double cylinder AX Accessible device GBK Glass bead kit PN Pneumatic latch retraction XP Extra protection SNB Sex bolts SEC Security screws SLM Special Laminate Material Blocking
Dogging option	No mechanical dogging. EL and QEL option available
Strikes	299F – Dull black, 499F with mullions

XP

Extra protection

- 90° latch-to-strike contact
- Force resistance of 2,000+ lbs.

RX

Pushpad monitor switch

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

EL

Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

ALK

Alarm exit kit

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

QEL

Quiet electric latch retraction

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

CX

Chexit delayed exit

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

AX

Accessible device

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

SG

Safety glow

- Shows exit door location in darkness or smoke
- Developed to meet MEA standards

PN

Pneumatic latch retraction

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

CON

Allegion Connectors

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



Standard trim

	EO	DT	NL	NL-OP
Product description	98EO-F 99EO-F	98DT-F 99DT-F	98NL-F 99NL-F	98NL-OP-F 99NL-OP-F
Trim description	—	990DT	990NL-R/V	110NL-MD 110NL-WD
Escutcheon plate size	—	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	—
Pull center to center	—	5 ^{1/2} " (140mm)	5 ^{1/2} " (140mm)	—
Projection	—	2" (51mm)	2" (51mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL	
#425 SNB optional - HMD req. WD w/o SLM pkg.	6	2	2	2
#825 SNB req. WD w/o SLM pkg.	2 (if using trim)	2	2	2
#425 SNB req. w/ 499F	2	2	2	2

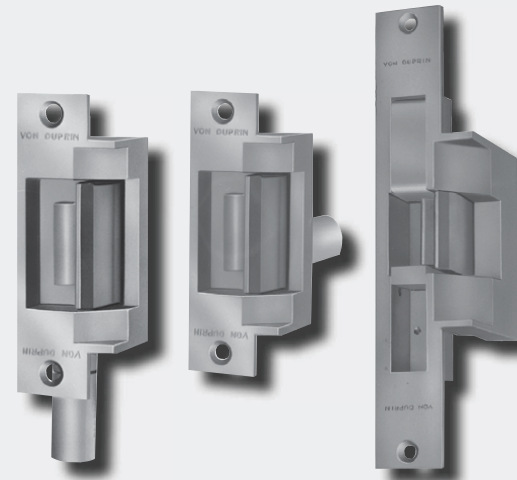
	L	L-NL	L-BE	L-DT
Product description	98L-F 99L-F	98L-NL-F 99L-NL-F	98L-BE-F 99L-BE-F	98L-DT-F 99L-DT-F
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ^{1/4} " x 10 ^{3/4} " x 2 ^{7/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 2 ^{7/32} " (70x273x21mm)	2 ^{1/4} " x 10 ^{3/4} " x 2 ^{7/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 2 ^{7/32} " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ^{1/8} " (73mm)	2 ^{1/8} " (73mm)	2 ^{1/8} " (73mm)	2 ^{1/8} " (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
#425 SNB optional - HMD req. WD w/o SLM pkg.	2	2	2	2
#825 SNB req. WD w/o SLM pkg.	2 (if using trim)	2	2	2
#425 SNB req. w/ 499F	2	2	2	2

* Electrified lever operation available

VON DUPRIN®

6200 Series

Strikes for mortise or cylindrical devices



Overview

Von Duprin electric strikes are known for their reliability, durability and security. The 6200 Series strikes are designed to withstand abuse. Their heavy-duty stainless steel construction is fully UL 1034 and UL 10C listed and meets or is certified ANSI/BHMA Grade 1.

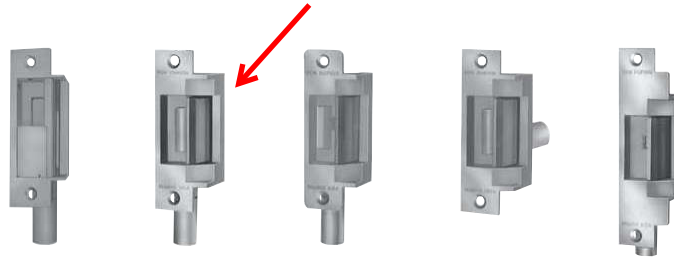
6200 Series electric door strikes are designed for use with a variety of mortise or cylindrical locksets. Electrified strikes allow remote release of a locked door by activating a movable lip (keeper) using an entry/exit button or credential reader and can be a cost effective means for managing access. 6200 Series strikes come standard as 24 VDC in fail secure mode. 12 VDC and AC operation can be selected, as can fail safe mode and other options that enable you to configure these strikes to fit your exact needs.

Use 6200 Series electric strikes for retrofit applications or new construction. To assure the proper selection of an electric strike on new applications, lockset compatibility charts are shown on the next page. When using a lockset not listed or when retrofitting a strike to an existing application, please contact Von Duprin Technical Support for application assistance.

Features and benefits

- 17 configurations available for cylindrical and mortise applications
- Heavy-duty stainless steel construction
- 24 VDC standard with 12, 16 and 28 VDC operation optional
- Two-piece plug connectors are furnished for ease of installation and removal during strike servicing
- Options include rectifier kit for VAC to VDC conversion, dual monitor switches, entry buzzer and Allegion Connect wire extension
- Six popular finishes available to suite with existing hardware
- Suitable for interior and exterior doors
- UL 10C 3-hour fire-rated (fail secure only)
- UL 1034 listed for burglary-resistant electric door strikes
- ANSI/BHMA A156.31, Grade 1 for endurance and dynamic strength*
- ANSI/BHMA A156.31, Grade 1, 1500 lbs static strength*
- Dynamic strength 70 ft-lbs
- Endurance 1,000,000 cycles

* Certification detail is listed within Model Specifications



Model specifications

Model number	6210	6211	6211AL	6211WF	6212	
Retrofits model	N/A	VD 3140 FA 712	FA 722	FA 732	VD 3146	
Latchbolt throw	3/4"	3/4"	3/4"	3/4"	3/4"	
Face plate length	4 7/8"	4 7/8"	4 7/8"	4 7/8"	6 3/8"	
Backbox depth	1 3/4"	1 11/16"	1 11/16"	4 1/2"	1 21/32"	
Lockset	Mortise without deadbolt	■	■	■	■	
	Mortise with deadbolt 1" throw	---	---	---	---	
	Cylindrical	---	■	■	■	■
Number of doors	Single	■	■	■	■	■
	Pair	---	---	---	---	---
Door and frame type	Hollow metal	■	■	---	---	■
	Aluminum	■	■	■	---	■
	Wood	---	---	---	■	---
Options	DS or DS-LC (dual monitor switches)	■	■	■	■	■
	EB (entry buzzer - fail-secure only)	■	■	■	■	■
	28 VDC AC rectifier kit	■	■	■	■	■
	16 VDC solenoid	■	■	■	■	■
Certifications	UL1034	■	■	■	■	■
	UL10C	3 hour	3 hour	3 hour	3 hour	3 hour
	ANSI/BHMA 156.31, Grade 1	---	■	■	■	---
Application Notes	1, 4	---	---	2	3, 4	

Application notes:

1. For use in ANSI prep at standard height. Strike pocket inserts are provided to accommodate different manufacturers deadlocking trigger locations.
2. Designed to replace Folger Adams 732. Wood frame horizontal solenoid location differs from Folger Adams. Requires additional frame prep when retrofitting.
3. Fits modified ANSI 115.2 cutout. Designed to replace Von Duprin 3146.
4. Meets ANSI/BHMA A156.31, Grade 1

Von Duprin • 6200 Series



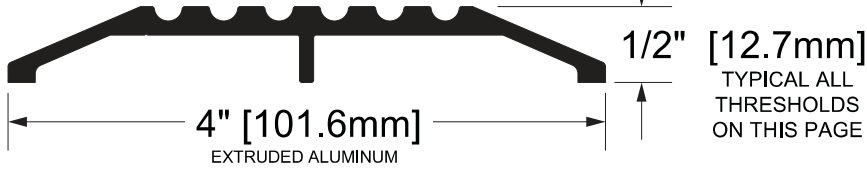
The Meridian Community Building Rebuild
3 Meridian Place, Ottawa
Job No. 19-356

Submission Date: July 08, 2019

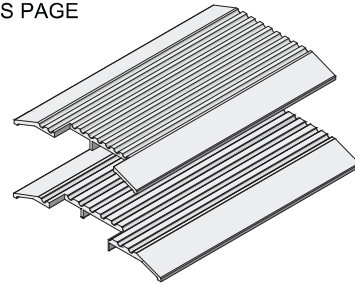
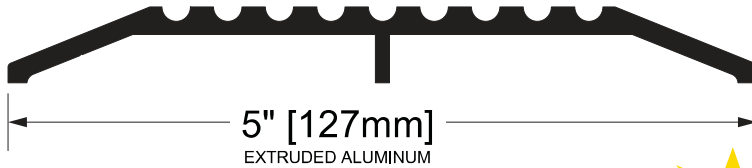
THRESHOLDS



CT-9



CT-10

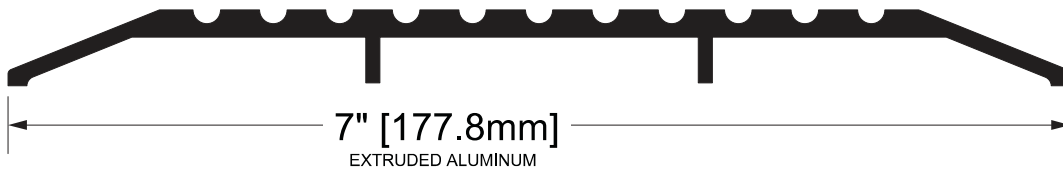


CT-10 AND CT-11 THRESHOLDS AVAILABLE NOTCHED FOR STD HOLLOW METAL DOOR FRAME. STANDARD NOTCH SIZE IS: 2-7/16" WIDE X 5/8" DEEP.

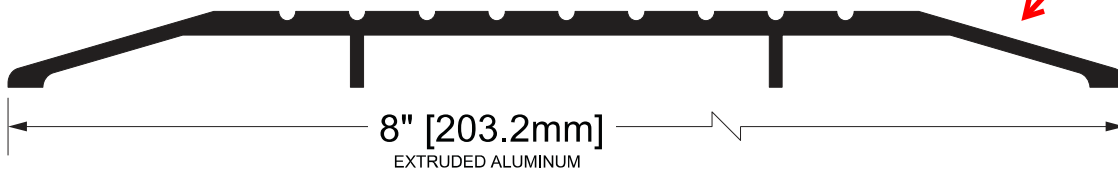
CT-11



CT-12



CT-32



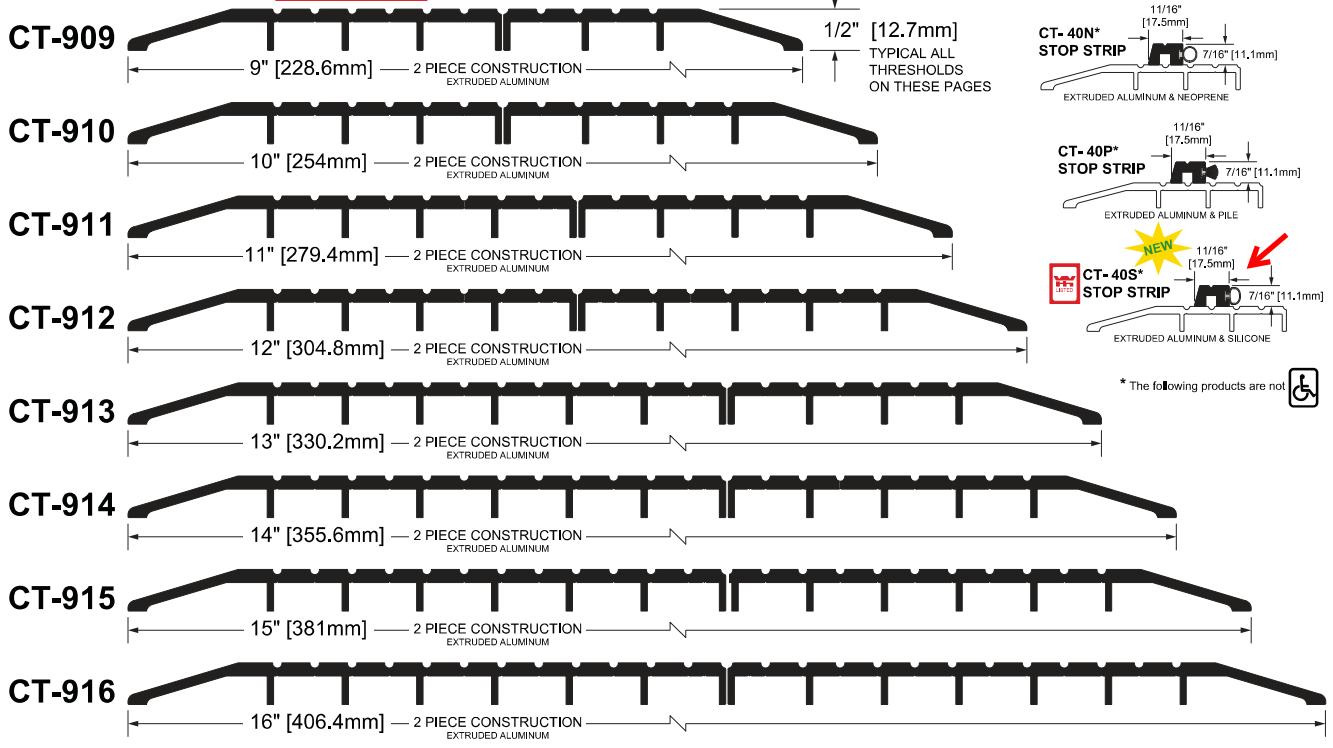
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THRESHOLDS



Welding is available upon request.



* The following products are not



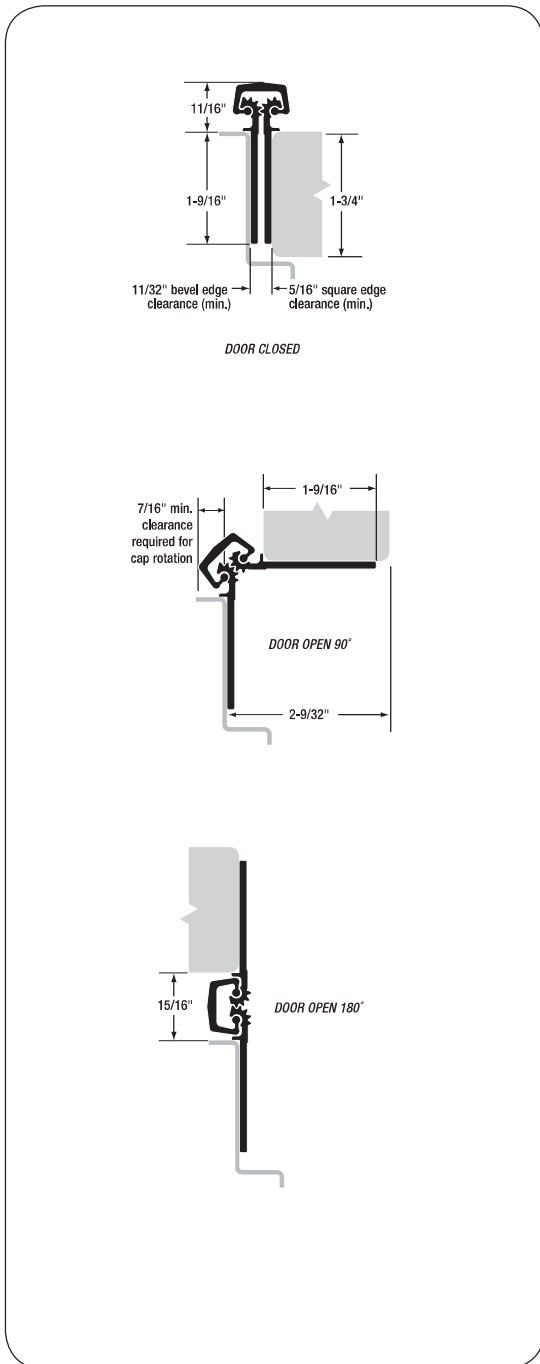
The Meridian Community Building Rebuild
3 Meridian Place, Ottawa
Job No. 19-356

Submittal Date: July 08, 2019



SPECIFICATIONS

SL11 Concealed Geared Continuous Hinge



MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTHS: 83", 85", 95" and 120" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY RATINGS: For 1-3/4" doors. 48" max. door width in 16 gauge hollow metal (min.) or 1/8" aluminum (min.).

Standard Duty — Tested per BHMA standards for medium-frequency doors up to 200 lb. without frame or door reinforcement.

Heavy Duty — Tested per BHMA standards. Up to 200 lb. doors (high-frequency) and up to 400 lb. doors (medium-frequency) without frame or door reinforcement; up to 600 lb. doors (low-frequency) with the use of Rivnuts in the frame and door.

Heavy Duty (LL) — Our HD hinge with additional fastener holes for low-frequency doors up to 1,000 lb., including most lead-lined doors. Rivnuts are recommended in the frame and door on extremely tall, extremely heavy or wide doors.

FINISHES: All SL11 hinges are stocked in Clear, Dark Bronze and Black anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify length, finish and standard duty (SD), heavy duty (HD) or heavy duty with additional fastener holes (LL). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

AVAILABLE ELECTRIC PREPS: EPT, ATW, EMS, CTW4, CTW5, CTW8, CTW10, CTW12, CMG, AP and RP. For CTW12 prep, please consult factory for engineering approval.

BHMA CERTIFICATION: SL11SD, SL11HD and SL11LL geared continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.

SL11 HINGE SCREW COUNT		
HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
79" HD	19	19
83" SD/HD	19	19
85" SD/HD	19	19
95" SD/HD	21	21
120" SD/HD	23	23
83" LL	26	26
85" LL	26	26
95" LL	30	30
120" LL	34	34

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Information subject to change without notice.

Ph: 800-423-1174 | Fax: 800-423-7107 | www.select-hinges.com



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3 Meridian Place, Ottawa
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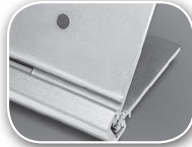
Submittal Date: July 08, 2019

SPECIFICATIONS

SL11 Concealed Geared Continuous Hinge



SELECT Advantages



PAIR-MATCHED™ HINGE LEAVES

Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. *An exclusive SELECT benefit.*



LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*



ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.



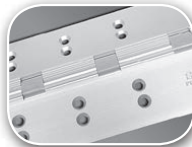
MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*



PATENTED 3-HR. FIRE RATING

Most SELECT hinges are fire rated for 90 minutes. 3-Hr. fire rating, optional at extra cost, approved for positive/negative pressure. No fire pins or studs required. Patented design innovation. *An exclusive SELECT benefit.*



CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*



COATED FASTENERS

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. *An exclusive SELECT benefit.*



CUSTOM COLORS

Match any paint color on the gear cap or the entire hinge and fasteners, including our always-in-stock Bone White gear caps. Anodized colors also available.

SELECT Hinge Performance

- A SELECT geared continuous hinge has been tested in accordance with ANSI 250.4-1994 test procedure and acceptance criteria for physical endurance for steel doors and hardware and has surpassed 25,000,000 cycles during testing by an independent laboratory. On a door cycling 400,000 times per year, a SELECT hinge will be performing for over 62 years.
- SELECT geared continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- The revolutionary SELECT geared continuous hinge puts an end to costly and irritating hinge failure problems, the most common cause of entrance failure.
- On conventional hinges, opening and "kick-back" energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. "Kick-back" energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge's 4-1/2" to 5" at the top of the door and frame).
- SELECT geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.
- SELECT SL11 geared continuous hinges are listed and tested by Underwriters Laboratories to meet the Positive and Negative pressure requirements of UL10B and UL10C, and are in accordance with UBC 7.2 (1997). SELECT SL11 geared continuous hinges are for use on swinging single fire doors (max. door opening of 4'x10') or pairs of fire doors (max. door opening of 8'x10'), including double egress, installed in masonry or drywall. SELECT SL11 geared continuous hinges are rated for up to 1-1/2 hours for wood composite and wood core type fire doors. A special patented process can be added to increase the fire rating to 3 hours (NO FIRE PINS OR STUDS REQUIRED) for hollow metal or steel covered composite type doors.



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Information subject to change without notice.

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DOOR
Systems
Ltd.

The Meridian Community Building Rebuild
3 Meridian Place, Ottawa
Job No. 19-356

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