

Submittal #08 11 13-1.0 - Doors, Frames and Hardware 08 11 13 - HOLLOW METAL DOORS AND FRAMES

Revision	0	Submittal Manager	Dominic Bonavita (Model Construction)
Status	Open	Date Created	Dec 6, 2022
Issue Date		Spec Section	08 11 13 - HOLLOW METAL DOORS AND FRAMES
Responsible Contractor		Received From	
Received Date		Submit By	
Final Due Date	Mar 22, 2023	Lead Time	
		Cost Code	
Location		Type	Product Data
Approvers	Dominic Bonavita (Model Construction), Logan Gemmill (Browning Day)		
Ball in Court	Dominic Bonavita (Model Construction)		
Distribution	David Wright (Equity), Lauren Reynolds (Equity), Joe Corso (Model Construction)		
Description	A. Product Data: For each type of product. 1. Include construction details, material descriptions, core descriptions, fireresistance ratings, and finishes.		

Submittal Workflow

Name	Sent Date	Due Date	Returned Date	Response	Attachments
General Information Attachments					
Dominic Bonavita		Mar 15, 2023		Pending	
Logan Gemmill		Mar 22, 2023		Pending	



626 North Illinois Street, Indianapolis, IN 46204

- ☐ 'A' Action Fabricate, manufacture and/or construction may proceed providing work is in compliance with Contract Documents.
- ☐ 'B' Action Fabricate, manufacture and/or construction may proceed providing work is in compliance with the Architect's notations and the Contract Documents.
- ☒ 'C' Action No work shall be fabricated, manufactured and/or constructed under this submittal. The Contractor shall make a new submittal to the Architect. No work for submissions marked 'C Action' will be permitted on the site.
- ☐ 'Reviewed' No action required.

"Checking by the Architect/Engineer is only for conformance with the general design concept of the project. The Contractor is solely responsible for compliance with the information given in the Contract Documents; for dimensions and quantities to be confirmed and correlated at the job site; for information that pertains to fabrication processes, methods or techniques of construction; and for coordination of work of all trades."

Date: 3/27/2023
By: lgemmill

2023-03-27
Logan Gemmill

Please call attention to where resubmitted corrections occur for ease of re-review.

RECEIVED

3/15/2023

Browning Day

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MODEL CONSTRUCTION

Reviewed for General Acceptance only. This review does not relieve the Subcontractor of the responsibility for making the work conform to the requirements of the contract. The subcontractor is responsible for all dimensions, correct fabrication and accurate fit with the work of other trades.

SUBJECT TO ARCHITECTS APPROVAL

☒ REVIEWED

☐ REJECTED

☐ REVISE AS NOTED

☐ RESUBMIT

CHECKED BY: DFB

DATE: 3/15/23

Project: Cohatch Leader Building

Location: Cincinnati, OH

Date: February 27, 2023

LaForce Project Manager: Paul Charlier

Phone: 800-236-8858 Ext. 244101

Email: paul.charlier@laforceinc.com

LaForce Sales: Todd Baecker

Office: Cincinnati

Email: todd.baecker@laforceinc.com

☒ HOLLOW METAL

☒ HARDWARE

☒ WOOD DOORS

☒ KEYING

☐ _____

1.800.236.8858 • www.laforceinc.com •



Single Openings

To hand a door stand from the outside or key side.


LEFT HAND Hinges on left opens inward	
LEFT HAND REVERSE Hinges on left opens outward	
RIGHT HAND Hinges on right opens inward	
RIGHT HAND REVERSE Hinges on right opens outward	

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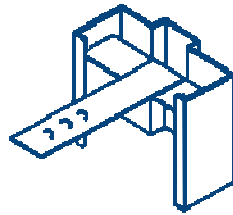
Double Openings

To hand a door stand from the outside or key side.

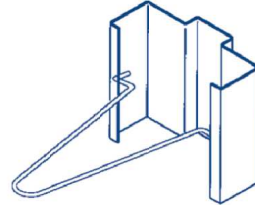
LEFT HAND Hinges on left opens inward	
LEFT HAND REVERSE Hinges on left opens outward	
RIGHT HAND Hinges on right opens inward	
RIGHT HAND REVERSE Hinges on right opens outward	

1. Your order is subject to the terms and conditions found at <http://www.laforceinc.com>.
2. These shop drawings are **NOT** to be used for ordering glass, wood doors or any other doors to fit our frames. You must contact LaForce for any needed information related to our doors or frames.
3. Responsibility for the use or misinterpretation of this schedule rests with the user. If any clarification is required, such clarification should be obtained before fabrication or installation of any materials.
4. Any discrepancies regarding the approved hardware and it's application are to be brought to the attention of LaForce prior to fabrication of any associated materials.
5. Shipping bars attached to frames: Shipping bars are intended to prevent the frame from twisting during transit and are NOT to be used as a spreader bar to set/install the frame.
6. **STOP painters and other trades from painting-over or removing fire labels.** We will not be responsible for fire labels being painted-over or removed from our doors or frames by anyone. Fire labels are required by code. If painted-over or removed from the door or frame, the fire rating will be voided for the entire door opening.
7. Door silencers are supplied installed in hollow metal frames intended for masonry walls.
8. No changes can be made after we have ordered or fabricated material in accordance with the approved shop drawings. All changes will be treated as supplemental orders. Material no longer required will be treated as owner's attic stock.
9. Any tools, wrenches, instructions and maintenance sheets, or information packed with the locks, closers, panic devices, and other pieces of hardware are to be turned over to the owner.
10. We must be notified about any missing or damaged material **within 3 days of delivery.** Failure to notify us within such 3-day period will result in extra charges for replacement materials.
11. **NO BACK CHARGES** for work done or material furnished by anyone other than LaForce will be accepted without prior written approval from our office.

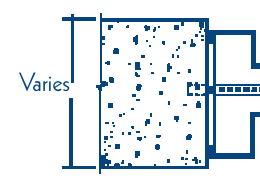
PLEASE READ



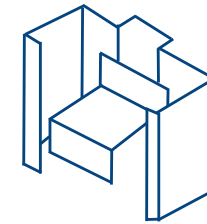
**Masonry Wall
Anchor**
MA



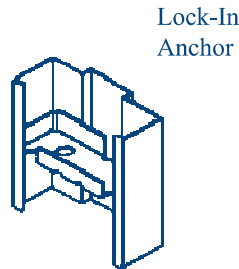
**Masonry Wire
Anchor**
MWA



**Existing Wall
“pin thru anchor”**
EWA

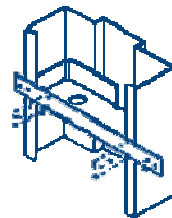


**Welded in Steel
Stud Anchor “Z”**
SSA



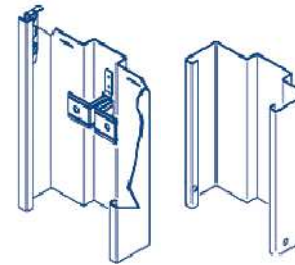
**Anchor for Steel
Stud Partition**
SSA

Lock-In
Anchor

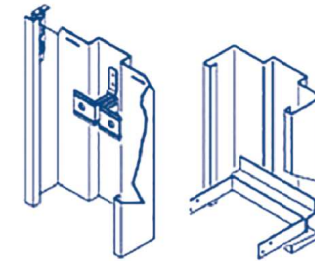


**Anchor for Wood
Stud Partition**
WSA

Lock-In
Anchor



**Compression Anchor with
Dimpled Base Anchor**
CAD



**Compression Anchor with
Strap Base Anchor**
CAS

*** LAFORCE ABBREVIATIONS ***

Fire Ratings

A	3 hour	20	20 min
B	1.5 hour	60	60 min
C	45 min	B250	temp rise 250V

Door “Series” Columns

14	14 Gauge
16	16 Gauge
18	18 Gauge
20	20 Gauge
22	22 Gauge
F	Flush Edges
G	Galvannealed (UNO)
M	Mineral Wool Core
P	Polystyrene Core
T	Top Cap
U	Urethane Core
V	Vertical Stiffened
X	Hollow Metal Specialty Door - see details
WX	Wood Specialty Door - see details

Frame “Type” Columns

14	14 Gauge
16	16 Gauge
C	Cased Open
D	Double Backbend Drywall Welded Frame
G	Galvannealed (UNO)
K	Knock Down Double Backbend Drywall Frame
M	Standard Section (single backbend) Welded Frame
S	Hollow Metal Specialty Frame - see details
U	Unassembled
WS	Wood Specialty Frame - see details

Frame Anchors

CAD	Compression Anchor with Dimpled Base - KD Only
CAS	Compression Anchor with Strap Base - KD Only
EWA	Existing Wall Anchors x Expansion Bolt
EWM	Existing Wall Anchors x Machine Screw
EWT	Existing Wall Anchors x Tapcon
EWW	Existing Wall Anchors x Wood Screw
MA	Masonry Anchors
MWA	Masonry Wire Anchors
NA	Not Applicable
SP	Special Anchors
SSA	Steel Stud Anchors
WSA	Wood Stud Anchors

General Abbreviations

AL	Aluminum	ITS	Intertek
AWS	All Wood Screws	LBR	Less Bottom Rod
BO	By Others	MDO	Medium Density Overlay
BOF	Bottom of Frame	NA	Not Applicable
BP	Back Paint	OH	Overhead Door
BS	Backset	PA	Parallel Arm Mounting
BTB	Back to Back Mounting	PLAM	Plastic Laminate
C/C	Cut for Cylinder	REG	Regular Arm Mounting
CTC	Center to Center	SC	Solid Core
DA	Double Acting	SJ	Strike Jamb
DE	Double Egress	SMS	Sheet Metal Screws
DL	Deadlock	SNB	Sex Bolts
DW	Drywalled Opening	TB	Through Bolts
EX	Existing	TJ	Top Jamb Mounting
GL	Glass Door	TMS	Template Machine Screws
HC	Hollow Core	UL	Underwriters Laboratories
HJ	Hinge Jamb	UNO	Unless Noted Otherwise
HL	Hospital Latch	WD	Wood
HM	Hollow Metal	WH	Warnock Hersey
HR	Head Reinforced	WS	Wood Screws
HS	Hospital Stop		

PLEASE READ

INSTALLATION TIPS

- Refer to manufacturer's installation instruction sheets for proper installation of all door hardware.
- Install overhead stops, bar coordinators, and mounting brackets before installing door closers.
- Mount at heights as directed, otherwise mount at industry recommendations.
- Insure that the door & frame are plumb.
- Over tightened fasteners could cause binding.

PROJECT COMPLETION REQUIREMENTS

Turn over to the owner the following:

- Installation instructions
- Special installation tools
- Hardware schedules & related drawings
- Keying information and instructions
- Excess hardware & fasteners
- Warranty information
- Operational information

TROUBLE SHOOTING QUICK TIPS

IF THIS HAPPENS . . .

									HARDWARE ITEM
1. Door won't close	✓	✓	✓					✓	Hinge, Closer
2. Door binds	✓	✓						✓	Hinge
3. Door won't latch	✓	✓	✓	✓				✓	Hinge, Closer, Strike
4. Latchbolt is difficult to retract				✓	✓	✓		✓	Strike, Lock, Key
5. Latchbolt hangs up on strike	✓		✓	✓				✓	Closer, Strike
6. Latchbolt won't engage into strike	✓		✓	✓				✓	Closer, Strike
7. Latchbolt won't fully extend						✓	✓		Lock
8. Bottom rod won't latch, or drags	✓		✓	✓			✓	✓	Closer, Exit Device, Strike
9. Top & bottom rods won't latch	✓		✓	✓			✓	✓	Closer, Exit Device, Strike
10. Key is difficult to turn				✓	✓	✓		✓	Strike, Lock, Key

. . . CHECK THIS

Improper hardware installation
Floor not level
Fasteners are over tightened
Worn or improperly cut key
Strike and latchbolt are misaligned
Closer adjusted or sized improperly
Hinge screws not tight
Door or frame out of plumb





February 27, 2023

Joe Corso
Model Construction LLC
1826 Race Street
Cincinnati, OH 45202

Re: Cohatch Leader Building
Cincinnati
LaForce Job #47617

Dear Joe:

We have enclosed (1) electronic copy of our hollow metal, wood door, door hardware and keying schedules for your approval. Also included is (1) copy of the hardware cutsheets. Shop drawings are prepared from the Architectural Drawings dated 11/18/2022 including no Addenda.

Please return (1) copy of the approved schedule as soon as possible to avoid any delays in the processing of your order.

We would like to call your attention to the following items:

- 1) Below is a list of delivery leadtimes for the items as scheduled. These leadtimes do not begin until we receive our approved shop drawings, along with a sufficient answer/response to each item in this letter. Please note that next to each of our leadtimes we have left a space for you to fill in your required need date. Please take a moment and fill in these dates, as they will help us to schedule your delivery.

MATERIALS	LEADTIMES	G.C. NEED DATES
Hollow metal frames	Approx. 8 weeks	
Hollow metal doors	Approx. 14 - 15 weeks	
Wood doors	Approx. 20 - 24 weeks	
Hardware	Approx. 7 - 8 weeks	
Electrified hardware	Approx. 18 - 28 weeks	
Locksets (*Pending Keying Approval)	Approx. 7 - 8 weeks*	

To avoid delay, please return approved shop drawings by 3/3/2023. Include a copy of the construction schedule for coordination and our records.

- 2) As qualified in our quote and confirmation letter, all materials are based upon receipt of full approval and release within 7-months from bid day (12/16/22) for delivery by the manufacturer's standard lead times as quoted. If approval and release of materials after this date (07/14/23) will incur escalation costs and will be passed along.

- 3) We have scheduled all hollow metal doors with the industry standard 3/4" undercut, and all wood doors with a 5/8" undercut, unless noted otherwise. (Note: Undercut is measured from the bottom of the frame to the bottom of the door.) We have found these undercuts sufficient to accommodate most floor coverings and eliminate the need for cutting or grinding door bottoms in the field due to uneven floors, carpet thickness, etc. If any doors require undercuts different from what we have noted, please advise us of which doors & the exact undercut required.

The HVAC plans show RA transfers ducted in each room, no undercut is needed for HVAC. LG-BD

- 4) We bring to your attention item 12 under General Door Schedule Notes on plan page A8.01 that states to refer to mechanical drawings for undercut requirements. Please advise mark number and undercut required if different than the above letter item.

The HVAC plans show RA transfers ducted in each room, no undercut is needed for HVAC. LG-BD

- 5) As qualified on the quote and confirmation letters, our contract is based on supplying the wood doors with FSC-certified cores only. We have not included FSC-certified veneers. Please confirm your understanding.

Approved. LG-BD

- 6) In order to maintain the wood door warranty at architect door type N, we have slightly modified the door stile and rail dimensions (see our door elevation NL). Please verify that the wood door warranty is required.

Wood door warranty is required, 8" dimension is acceptable. LG-BD

- 7) Before we can release wood doors for ordering, we need information about the glass being provided by others. Please advise us of the thickness and model of the glass being provided for fire rated doors. (LaForce elevation NL.)

Glass is 3/16" SCHOTT PYRAN Platinum rated @ 90min. LG-BD

- 8) We have not scheduled frames, doors, nor hardware for openings S202 and S302 as they appear to be existing per the comment column on the door schedule. Please let us know if you would like any of these items provided and we will provide you with a quote.

Hardware for these doors to be provided according to door schedule. LG-BD

- 9) We have scheduled openings 003, 113, 115A, S102, 218 to have a standard frame with a 5 3/4" jamb depth and existing wall anchors that will butt the wall instead of a knock-down frame that wraps the wall. We have done this because the Head and Jamb Details specified on the door schedule of H4 and J4 show the frame butting the wall. Please confirm what we have scheduled is correct.

This is correct. LG-BD

- 10) We have scheduled openings S001 and S401 to have a standard welded frame with a 5 3/4" jamb depth and masonry anchors that will butt the wall instead of a knock-down frame that wraps the wall. We have done this because the Head and Jamb Details specified on the door schedule of H3 and J3 show the frame butting the wall. Please confirm what we have scheduled is correct.

This is correct. LG-BD

- 11) We have scheduled opening 115B to have a standard welded frame with a 5 3/4" jamb depth and steel stud anchors that will butt the wall. We have done this because the Head and Jamb Details specified on the door schedule of H11 and J11 show the frame butting the wall. Please confirm what we have scheduled is correct.

This is correct. LG-BD

- 12) We have scheduled opening S101 and S201 to have a welded frame with an 8 1/2" jamb depth and masonry anchors that will butt the wall instead of a knock-down frame that wraps the wall. We have done this because the Head and Jamb Details specified on the door schedule of H6 and J6 show the frame butting the wall. Please confirm what we have scheduled is correct.

This is correct. LG-BD

- 13) We have scheduled opening S301 to have a welded frame with a 7" jamb depth and masonry anchor that will butt the wall instead of a knock-down frame that wraps the wall. We have done this because the Head and Jamb Details specified on the door schedule of H7 and J7 show the frame butting the wall. Please confirm what we have scheduled is correct.

This is correct. LG-BD

- 14) Please advise if a 4" head is required for frame opening S402 as we have scheduled a 2" head to be installed within a drywall partition. We bring this to your attention as the 4" head design is typically used to match the coursing of a masonry wall and may not be necessary for drywall.

2" is approved. LG-BD

- 15) It is our understanding that all hardware for aluminum doors is to be provided by the aluminum door supplier. If any locking devices are part of this, we could provide the cylinders at these openings. This option is offered so that a single key system can be maintained. If a keying system to include the aluminum doors is desired, please advise & we can provide a quote for the cylinders.

Provide complete door hardware sets as indicated in spec section 087100. LG-BD

- 16) These shop drawings include hollow metal doors and frames as manufactured by Steelcraft. Steelcraft doors & frames, which comply with the requirements of specification section 081113, utilize a standard strike height of 40 5/16" centerline. We bring this to your attention because note 1 under the General Door Schedule Notes on plan page A8.01 mentions a lock mounting height of 40" centerline. Please verify that Steelcraft standard hardware locations are acceptable or advise if you wish to pursue a special hollow metal manufacturer.

40 5/16" approved. LG-BD

- 17) We have scheduled openings 110 (hardware set 09) and 114 (hardware set 11) to have lock function 511 instead of 521 as the B-series is not available with the 521-function. Please confirm what we have scheduled is correct.

Approved. LG-BD

- 18) We have scheduled opening 115B to have a RIM exit device instead of a concealed vertical rod device per hardware set 13. We have done this because vertical rod devices are typically meant for pairs of doors but this opening is a single door which typically would get a RIM exit device. Please confirm what we have scheduled is acceptable.

Approved. LG-BD

- 19) We have scheduled openings 408 and 409 per hardware set 17 to have a wall stop. We bring this to your attention since there looks to be a grab bar on the wall behind these doors and a floor stop might be preferred. Please confirm what we have scheduled is acceptable.

Floor stop preferred. LG-BD

Page 4

RE: Cohatch Leader Building

February 27, 2023

20) The proposed keying schedule is based upon a new masterkey system where "AA" represents the masterkey and "1AA" represents an individual change key under the master. Please review and approve this keying proposal to avoid delays in the processing of your lock order. No locks can be ordered until Keying is approved.

See notes on keying schedule page. Keying conference to be scheduled with Owner. LG-BD

21) Please provide the contact information (name, address, and phone number) for the owner's representative. Upon substantial completion, all masterkeys/control keys will be shipped directly to the owner's representative via UPS. We will not release these keys without that information.

Please contact Lauren Reynolds to coordinate who is to receive, contact information provided on page 37. LG-BD

Respectfully,

A handwritten signature in dark ink, appearing to read "Paul Charlier". The signature is fluid and cursive, with the first name "Paul" and last name "Charlier" clearly distinguishable.

Paul Charlier

LaForce

P: 800-236-8858, ext. 244101

PJC / lh

Enclosures

cc: Todd Baecker - LaForce

INDEX BY DOOR NUMBER

Door #	Hdw Set #	Heading	Page		Door #	Hdw Set #	Heading	Page
003	01	01	3		307	05	05	7
101a.1	03	03	5		308	05	05	7
101a.2	03	03	5		309	05	05	7
101b.1	04	04	6		310	05	05	7
101b.2	04	04	6		311	08	08	11
104a	20	20	26		312	07	07	10
104B	19	19	25		313	15	15	21
105a.1	04	04	6		315	17	17	23
105a.2	04	04	6		316	05	05	7
105b	08	08	11		317	05	05	7
106a	06	06	9		318	05	05	8
106b	06	06	9		401	18	18	24
108	07	07	10		402	05	05	8
109	08	08	11		403	05	05	8
110	09	09	12		404	05	05	8
112	10	10	13		405	05	05	8
113	10	10	13		406	05	05	8
114	11	11	14		408	17	17	23
115a	12	12 v1	15		409	17	17	23
115b	13	13	19		411	15	15	21
201	05	05	7		412	07	07	10
202	05	05	7		413	15	15	21
203	15	15	21		415	05	05	8
204	05	05	7		S001	02	02	4
205	05	05	7		S101	14	14	20
206	05	05	7		S102	12	12 v2	16
207	05	05	7		S201	12	12 v3	17
208	05	05	7		S202	12	12 v4	18
209	05	05	7		S301	12	12 v3	17
210	05	05	7		S302	12	12 v4	18
211	07	07	10		S401	12	12 v3	17
212	05	05	7		S402	21	21	27
216	05	05	7					
217	05	05	7					
218	16	16	22					
219	17	17	23					
220	17	17	23					
221	05	05	7					
222	05	05	7					
223	05	05	7					
224	05	05	7					
301	05	05	7					
302	05	05	7					
303	05	05	7					
304	05	05	7					
305	05	05	7					
306	05	05	7					

Job Name: COHATCH LEADER BUILDING

Location: CINCINNATI, OH

LaForce Job#: 47617

Page: 1

2/27/2023 7:08:39 AM



INDEX BY HARDWARE SET

Hdw Set #	Door #	Heading	Page		Hdw Set #	Door #	Heading	Page
01	003	01	3		07	312	07	10
02	S001	02	4		07	412	07	10
03	101a.1	03	5		08	105b	08	11
03	101a.2	03	5		08	109	08	11
04	101b.1	04	6		08	311	08	11
04	101b.2	04	6		09	110	09	12
04	105a.1	04	6		10	112	10	13
04	105a.2	04	6		10	113	10	13
05	201	05	7		11	114	11	14
05	202	05	7		12	115a	12 v1	15
05	204	05	7		12	S102	12 v2	16
05	205	05	7		12	S201	12 v3	17
05	206	05	7		12	S301	12 v3	17
05	207	05	7		12	S401	12 v3	17
05	208	05	7		12	S202	12 v4	18
05	209	05	7		12	S302	12 v4	18
05	210	05	7		13	115b	13	19
05	212	05	7		14	S101	14	20
05	216	05	7		15	203	15	21
05	217	05	7		15	313	15	21
05	221	05	7		15	411	15	21
05	222	05	7		15	413	15	21
05	223	05	7		16	218	16	22
05	224	05	7		17	219	17	23
05	301	05	7		17	220	17	23
05	302	05	7		17	315	17	23
05	303	05	7		17	408	17	23
05	304	05	7		17	409	17	23
05	305	05	7		18	401	18	24
05	306	05	7		19	104B	19	25
05	307	05	7		20	104a	20	26
05	308	05	7		21	S402	21	27
05	309	05	7					
05	310	05	7					
05	316	05	7					
05	317	05	7					
05	318	05	8					
05	402	05	8					
05	403	05	8					
05	404	05	8					
05	405	05	8					
05	406	05	8					
05	415	05	8					
06	106a	06	9					
06	106b	06	9					
07	108	07	10					
07	211	07	10					

Job Name: COHATCH LEADER BUILDING

Location: CINCINNATI, OH

LaForce Job#: 47617

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2/27/2023 7:08:39 AM



VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 01 (Heading: 01)

Door	Location		Rating	Hand	Degree
003	001 STORAGE to 003 WTR/ELC	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x HMDR		LHR	90°

Each Leaf to have:

HARDWARE SET: 01 (Heading: 01)

Qty		Description	Finish	Mfg	LF Code
3	FULL MORTISE HINGE	ECBB1100 4.5 X 4.5	US10B	HAGER	H1
1	RIM DEVICE	25-R-L-NL 510L-NL QUA 3' HMD X HMF 299	313AN	FALCON	L2
1	HOUSING LESS CORE SFIC MORTISE CYLINDER	C987 A12667-003-00 008876-001	613	FALCON	L3
1	CORE	CB806	613	FALCON	L4
1	SURFACE CLOSER	SC71A RW/PA-PA	695	FALCON	C1
1	WALL STOP	WS406/407CVX	US10B	IVES	S1
1	PROTECTION PLATE	8400 8" X 34"	US10B	IVES	K1
3	SILENCERS	608-RKW	GRAY	ROCKWOOD	M1

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 02 (Heading: 02)

Door	Location		Rating	Hand	Degree
S001	S001 STAIR to 001 STORAGE	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x HMDR	B	RHR	90°

Each Leaf to have:

HARDWARE SET: 02 (Heading: 02)

Qty		Description	Finish	Mfg	LF Code
3	FULL MORTISE HINGE	ECBB1100 4.5 X 4.5	US10B	HAGER	H1
1	HOUSING LESS CORE SFIC MORTISE CYLINDER	C987 A12667-003-00 008876-001	613	FALCON	L3
1	CORE	CB806	613	FALCON	L4
1	FIRE RATED RIM DEVICE	F-25-R-L-NL 510L-NL QUA 3' HMD X HMF299F	313AN	FALCON	L5
1	SURFACE CLOSER	SC71A RW/PA-PA	695	FALCON	C1
1	WALL STOP	WS406/407CVX	US10B	IVES	S1
1	PROTECTION PLATE	8400 8" X 34"	US10B	IVES	K1
3	SILENCERS	608-RKW	GRAY	ROCKWOOD	M1

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 03 (Heading: 03)

Door	Location		Rating	Hand	Degree
101a.1/101a.2	EXTERIOR from 101 VEST	Pr 3'-0" x 8'-0" x 1 3/4" ALFR x ALDR		RHRA/LHR	90°/90°

Each Pair to have:

HARDWARE SET: 03 (Heading: 03)

Qty		Description	Finish	Mfg	LF Code
		No Hardware Designated			

Provide complete door hardware sets as indicated in spec section
087100. LG-BD

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 04 (Heading: 04)

Door	Location		Rating	Hand	Degree
101b.1/101b.2	101 VEST to 102 LOBBY	Pr 3'-0" x 8'-0" x 1 3/4" ALFR x ALDR		RHRA/LHR	90°/90°
105a.1/105a.2	102 LOBBY to 105 EVENT	Pr 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RHRA/LHR	90°/90°

Each Pair to have:

HARDWARE SET: 04 (Heading: 04)

Qty		Description	Finish	Mfg	LF Code
		No Hardware Designated			

Provide complete door hardware sets as indicated in spec section
087100. LG-BD

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 05 (Heading: 05)

Door	Location		Rating	Hand	Degree
201	225 MANAGER to 201 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		LH	90°
202	225 MANAGER to 202 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		LH	90°
204	225 MANAGER to 204 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
205	225 MANAGER to 205 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
206	213 HALL to 206 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		LH	90°
207	213 HALL to 207 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
208	213 HALL to 208 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
209	213 HALL to 209 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
210	213 HALL to 210 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
212	213 HALL to 212 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		LH	90°
216	215 HALL to 216 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		LH	90°
217	215 HALL to 217 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
221	214 LOUNGE to 221 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
222	214 LOUNGE to 222 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		LH	90°
223	214 LOUNGE to 223 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
224	225 MANAGER to 224 MEETING	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
301	319 HALL to 301 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		LH	90°
302	320 HALL to 302 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		LH	90°
303	320 HALL to 303 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		LH	90°
304	320 HALL to 304 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
305	320 HALL to 305 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
306	320 HALL to 306 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
307	320 HALL to 307 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
308	320 HALL to 308 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
309	320 HALL to 309 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		LHR	90°
310	320 HALL to 310 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RHR	90°
316	314 LOUNGE to 316 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		LH	90°
317	319 HALL to 317 MEETING	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°

Job Name: COHATCH LEADER BUILDING

Location: CINCINNATI, OH

LaForce Job#: 47617

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VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 05 (Heading: 05)

Door	Location		Rating	Hand	Degree
318	319 HALL to 318 LAUNCHPD	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		LH	90°
402	410 KITCHEN to 402 SUITE	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		LH	90°
403	402 SUITE to 403 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
404	402 SUITE to 404 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
405	410 KITCHEN to 405 OFF	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
406	410 KITCHEN to 406 MEETING	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
415	415 LOBBY to 410 KITCHEN	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		LHR	90°

Each Leaf to have:

HARDWARE SET: 05 (Heading: 05)

Qty	Description	Finish	Mfg	LF Code
	No Hardware Designated			

Provide complete door hardware sets as indicated in spec section 087100. LG-BD

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 06 (Heading: 06)

Door	Location		Rating	Hand	Degree
106a	107 KITCHEN to 106 MEETING	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
106b	107 KITCHEN to 106 MEETING	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		LH	90°

Each Leaf to have:

HARDWARE SET: 06 (Heading: 06)

Qty		Description	Finish	Mfg	LF Code
		No Hardware Designated			

Provide complete door hardware sets as indicated in spec section
087100. LG-BD

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 07 (Heading: 07)

Door	Location		Rating	Hand	Degree
108	111 CORR to 108 PHONE RM	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RHR	90°
211	213 HALL to 211 PHONE	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RHR	90°
312	314 LOUNGE to 312 PHONE	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°
412	410 KITCHEN to 412 PHONE	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RH	90°

Each Leaf to have:

HARDWARE SET: 07 (Heading: 07)

Qty	Description	Finish	Mfg	LF Code
	No Hardware Designated			

Provide complete door hardware sets as indicated in spec section
087100. LG-BD

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 08 (Heading: 08)

Door	Location		Rating	Hand	Degree
105b	111 CORR to 105 EVENT	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		LHR	90°
109	111 CORR to 109 PHONE RM	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		RHR	90°
311	314 LOUNGE to 311 PHONE	Sgl 3'-0" x 7'-0" x 1 3/4" ALFR x ALDR		LHR	90°

Each Leaf to have:

HARDWARE SET: 08 (Heading: 08)

Qty		Description	Finish	Mfg	LF Code
		No Hardware Designated			

Provide complete door hardware sets as indicated in spec section
087100. LG-BD

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 09 (Heading: 09)

Door	Location		Rating	Hand	Degree
110	111 CORR to 110 PODCAST	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x WDDR		LHR	90°

Each Leaf to have:

HARDWARE SET: 09 (Heading: 09)

Qty		Description	Finish	Mfg	LF Code
3	FULL MORTISE HINGE	ECBB1100 4.5 X 4.5	US10B	HAGER	H1
1	CORE	CB806	613	FALCON	L4
1	CYLINDRICAL ENTRY/OFFICE LOCK	B511BD QUA 57435 5164	613	FALCON	L6
1	SURFACE CLOSER	SC71A RW/PA-PA	695	FALCON	C1
1	WALL STOP	WS406/407CVX	US10B	IVES	S1
1	PROTECTION PLATE	8400 8" X 34"	US10B	IVES	K1
3	SILENCERS	608-RKW	GRAY	ROCKWOOD	M1

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 10 (Heading: 10)

Door	Location		Rating	Hand	Degree
112	111 CORR to 112 MENS	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x WDDR		RH	90°
113	111 CORR to 113 WOMENS	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x WDDR		LH	90°

Each Leaf to have:

HARDWARE SET: 10 (Heading: 10)

Qty		Description	Finish	Mfg	LF Code
3	FULL MORTISE HINGE	ECBB1100 4.5 X 4.5	US10B	HAGER	H1
1	PUSH PLATE	8200 4" X 16"	US10B	IVES	P2
1	PULL PLATE	8305-8 4" X 16"	US10B	IVES	P3
1	SURFACE CLOSER	SC71A RW/PA-REG	695	FALCON	C2
1	WALL STOP	WS406/407CVX	US10B	IVES	S1
1	PROTECTION PLATE	8400 8" X 34"	US10B	IVES	K1
3	SILENCERS	608-RKW	GRAY	ROCKWOOD	M1

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 11 (Heading: 11)

Door	Location		Rating	Hand	Degree
114	115 CORR to 114 OFFICE	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x WDDR	B	LH	90°

Each Leaf to have:

HARDWARE SET: 11 (Heading: 11)

Qty		Description	Finish	Mfg	LF Code
3	FULL MORTISE HINGE	ECBB1100 4.5 X 4.5	US10B	HAGER	H1
1	CORE	CB806	613	FALCON	L4
1	CYLINDRICAL ENTRY/OFFICE LOCK	B511BD QUA 57435 5164	613	FALCON	L6
1	SURFACE CLOSER	SC71A RW/PA-REG	695	FALCON	C2
1	WALL STOP	WS406/407CVX	US10B	IVES	S1
1	PROTECTION PLATE	8400 8" X 34"	US10B	IVES	K1
3	SILENCERS	608-RKW	GRAY	ROCKWOOD	M1

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 12 (Heading: 12v1)

Door	Location		Rating	Hand	Degree
115a	115 CORR to 111 CORR	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x WDDR	B	LHR	90°

Each Leaf to have:

HARDWARE SET: 12 (Heading: 12v1)

Qty		Description	Finish	Mfg	LF Code
3	FULL MORTISE HINGE	ECBB1100 4.5 X 4.5	US10B	HAGER	H1
1	FIRE RATED RIM DEVICE	F-25-R-L-BE 510L-BE QUA 3' WD X HMF SNB299F	313AN	FALCON	L7
1	SURFACE CLOSER	SC71A RW/PA-REG	695	FALCON	C2
1	WALL STOP	WS406/407CVX	US10B	IVES	S1
1	PROTECTION PLATE	8400 8" X 34"	US10B	IVES	K1
3	SILENCERS	608-RKW	GRAY	ROCKWOOD	M1

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 12 (Heading: 12v2)

Door	Location		Rating	Hand	Degree
S102	115 CORR to S102 STAIR	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x WDDR	B	LHR	90°

Each Leaf to have:

HARDWARE SET: 12 (Heading: 12v2)

Qty		Description	Finish	Mfg	LF Code
3	FULL MORTISE HINGE	ECBB1100 4.5 X 4.5	US10B	HAGER	H1
1	FIRE RATED RIM DEVICE	F-25-R-L-BE 510L-BE QUA 3' WD X HMF SNB299F 39 1/4" C/L OF PUSH PAD	313AN	FALCON	L11
1	SURFACE CLOSER	SC71A RW/PA-PA	695	FALCON	C1
1	WALL STOP	WS406/407CVX	US10B	IVES	S1
1	PROTECTION PLATE	8400 8" X 34"	US10B	IVES	K1
3	SILENCERS	608-RKW	GRAY	ROCKWOOD	M1

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 12 (Heading: 12v3)

Door	Location		Rating	Hand	Degree
S201	S201 STAIR to 225 MANAGER	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x WDDR	B	RHR	90°
S301	S301 STAIR to 319 HALL	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x WDDR	B	RHR	90°
S401	S401 STAIR to 415 LOBBY	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x WDDR	B	RHR	90°

Each Leaf to have:

HARDWARE SET: 12 (Heading: 12v3)

Qty		Description	Finish	Mfg	LF Code
3	FULL MORTISE HINGE	ECBB1100 4.5 X 4.5	US10B	HAGER	H1
1	FIRE RATED RIM DEVICE	F-25-R-L-BE 510L-BE QUA 3' WD X HMF SNB299F 39 1/4" C/L OF PUSH PAD	313AN	FALCON	L11
1	SURFACE CLOSER	SC71A RW/PA-REG	695	FALCON	C2
1	WALL STOP	WS406/407CVX	US10B	IVES	S1
1	PROTECTION PLATE	8400 8" X 34"	US10B	IVES	K1
3	SILENCERS	608-RKW	GRAY	ROCKWOOD	M1

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 12 (Heading: 12v4)

Door	Location		Rating	Hand	Degree
S202	S202 STAIR to HALL	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x WDDR	B	RHR	90°
S302	S302 STAIR to 314 LOUNGE	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x WDDR	B	RHR	90°

Each Leaf to have:

HARDWARE SET: 12 (Heading: 12v4)

Qty		Description	Finish	Mfg	LF Code
		No Hardware Designated			

Existing doors to receive new hardware per schedule. LG-BD

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 13 (Heading: 13)

Door	Location		Rating	Hand	Degree
115b	EXTERIOR from 115 CORR	Sgl 3'-2" x 7'-0" x 1 3/4" HMFR x HMDR * D Comment: SEALED TOP CAP	B	LHR	90°

Each Leaf to have:

HARDWARE SET: 13 (Heading: 13)

Qty		Description	Finish	Mfg	LF Code
3	FULL MORTISE HINGE	BB1191 4.5 X 4.5 NRP	US10B	HAGER	H2
1	HOUSING LESS CORE SFIC MORTISE CYLINDER	C987 A12667-003-00 008876-001	613	FALCON	L3
1	CORE	CB806	613	FALCON	L4
1	FIRE RATED RIM DEVICE	RXF-25-R-L-NL 510L-NL QUA 4' HMD X HMFME 299F	313AN	FALCON	L8
1	SURFACE CLOSER	SC71A HD/PA	695	FALCON	C3
1	WALL STOP	WS406/407CVX	US10B	IVES	S1
1	PROTECTION PLATE	8400 8" X 36"	US10B	IVES	K2
1	THRESHOLD	425HDDKB 38" 10-24 MS/LA	DKB	NGP	T1
1	SMOKE SEAL	5050C 20'	C	NGP	W1
1	SWEEP	200NDKB 38"	DKB	NGP	W2
1	ELECTRIC POWER TRANSFER	EPT 10	695	VON DUPRIN	M3
1	DOOR POSITION SWITCH	679-05HM	-	SCHLAGE	M4
1	POWER SUPPLY	PS902 900-2RS-FA	-	SCHLAGE	M5
1	BY OTHERS	CARD READER (DR/FR BY LF) (WALL/BOLLARDMOUNT)	-	MISC	M6
		BY OTHERS			

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 14 (Heading: 14)

Door	Location		Rating	Hand	Degree
S101	102 LOBBY to S101 STAIR	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x WDDR	B	LHR	90°

Each Leaf to have:

HARDWARE SET: 14 (Heading: 14)

Qty		Description	Finish	Mfg	LF Code
3	FULL MORTISE HINGE	ECBB1100 4.5 X 4.5	US10B	HAGER	H1
1	FIRE RATED RIM DEVICE	F-25-R-L-BE 510L-BE QUA 3' WD X HMF SNB299F 39 1/4" C/L OF PUSH PAD	313AN	FALCON	L11
1	SURFACE CLOSER	SC71A SS	695	FALCON	C4
1	PROTECTION PLATE	8400 8" X 34"	US10B	IVES	K1
3	SILENCERS	608-RKW	GRAY	ROCKWOOD	M1

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 15 (Heading: 15)

Door	Location		Rating	Hand	Degree
203	225 MANAGER to 203 MECH CL	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x HMDR		LHR	90°
313	314 LOUNGE to 313 STORAGE	Sgl 2'-0" x 7'-0" x 1 3/4" HMFR x HMDR		LHR	90°
411	410 KITCHEN to 411 MECH	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x HMDR		LHR	90°
413	410 KITCHEN to 413 ATTIC	Sgl 3'-0" x 5'-2" x 1 3/4" HMFR x HMDR		RHR	90°

Each Leaf to have:

HARDWARE SET: 15 (Heading: 15)

Qty		Description	Finish	Mfg	LF Code
3	FULL MORTISE HINGE	ECBB1100 4.5 X 4.5	US10B	HAGER	H1
1	CORE	CB806	613	FALCON	L4
1	CYLINDRICAL STOREROOM LOCK	B581BD QUA 57435 5164	613	FALCON	L9
1	SURFACE OVERHEAD STOP	4424	US10B	ABH	S2
3	SILENCERS	608-RKW	GRAY	ROCKWOOD	M1

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 16 (Heading: 16)

Door	Location		Rating	Hand	Degree
218	HALL to 218 STORAGE	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x HMDR		LH	90°

Each Leaf to have:

HARDWARE SET: 16 (Heading: 16)

Qty		Description	Finish	Mfg	LF Code
3	FULL MORTISE HINGE	ECBB1100 4.5 X 4.5	US10B	HAGER	H1
1	CORE	CB806	613	FALCON	L4
1	CYLINDRICAL STOREROOM LOCK	B581BD QUA 57435 5164	613	FALCON	L9
1	WALL STOP	WS406/407CVX	US10B	IVES	S1
3	SILENCERS	608-RKW	GRAY	ROCKWOOD	M1

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 17 (Heading: 17)

Door	Location		Rating	Hand	Degree
219	HALL to 219 UNISEX	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x WDDR		LH	90°
220	HALL to 220 UNISEX	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x WDDR		LH	90°
315	314 LOUNGE to 315 UNISEX	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x WDDR		RH	90°
408	410 KITCHEN to 408 UNISEX	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x WDDR		RH	90°
409	410 KITCHEN to 409 UNISEX	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x WDDR		RH	90°

Each Leaf to have:

HARDWARE SET: 17 (Heading: 17)

Qty		Description	Finish	Mfg	LF Code
3	FULL MORTISE HINGE	ECBB1100 4.5 X 4.5	US10B	HAGER	H1
1	MORTISE PRIVACY LATCH	L9040 17A L283-712 L283-722	613	SCHLAGE	L1
1	WALL STOP	WS406/407CVX	US10B	IVES	S1
3	SILENCERS	608-RKW	GRAY	ROCKWOOD	M1

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 18 (Heading: 18)

Door	Location		Rating	Hand	Degree
401	401 BALCONY from 415 LOBBY	Sgl 3'-0" x 6'-6" x 1 3/4" ALFR x ALDR		RHR	90°

Each Leaf to have:

HARDWARE SET: 18 (Heading: 18)

Qty		Description	Finish	Mfg	LF Code
		No Hardware Designated			

Provide complete door hardware sets as indicated in spec section
087100. LG-BD

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 19 (Heading: 19)

Door	Location		Rating	Hand	Degree
104B	105 EVENT to 104 BAR	Sgl 5'-0" x 7'-0" x 1 3/4" * DF Comment: PAIRED POCKET DOOR			-°

Each Leaf to have:

HARDWARE SET: 19 (Heading: 19)

Qty		Description	Finish	Mfg	LF Code
		No Hardware Designated			

Provide complete door hardware sets as indicated in spec section
087100. LG-BD

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 20 (Heading: 20)

Door	Location		Rating	Hand	Degree
104a	102 LOBBY to 104 BAR	Sgl 3'-0" x 8'-0" x 1 3/4" ALFR x ALDR		LH	90°

Each Leaf to have:

HARDWARE SET: 20 (Heading: 20)

Qty		Description	Finish	Mfg	LF Code
		No Hardware Designated			

Provide complete door hardware sets as indicated in spec section
087100. LG-BD

VERTICAL HARDWARE SCHEDULE

HARDWARE SET: 21 (Heading: 21)

Door	Location		Rating	Hand	Degree
S402	S402 STAIR to 410 KITCHEN	Sgl 3'-0" x 7'-0" x 1 3/4" HMFR x WDDR	B	RHR	90°

Each Leaf to have:

HARDWARE SET: 21 (Heading: 21)

Qty		Description	Finish	Mfg	LF Code
3	FULL MORTISE HINGE	ECBB1100 4.5 X 4.5	US10B	HAGER	H1
1	HOUSING LESS CORE SFIC MORTISE CYLINDER	C987 A12667-003-00 008876-001	613	FALCON	L3
1	CORE	CB806	613	FALCON	L4
1	FIRE RATED RIM DEVICE	F-25-R-L 510L QUA 3' WD X HMF SNB 299F39 1/4" C/L OF PUSHPAD	313AN	FALCON	L10
1	SURFACE CLOSER	SC71A RW/PA-REG	695	FALCON	C2
1	WALL STOP	WS406/407CVX	US10B	IVES	S1
1	PROTECTION PLATE	8400 8" X 34"	US10B	IVES	K1
3	SILENCERS	608-RKW	GRAY	ROCKWOOD	M1

KEYING COMMENTS

KEY LOCKS TO A NEW FALCON SYSTEM.

MASTERKEYS: 6

KEYS PER LOCK: 2

CONTROL KEYS: 4

STAMP ALL KEYS WITH THE KEYSET.

STAMP ALL KEYS WITH DO NOT DUPLICATE.

UPON SUBSTANTIAL COMPLETION, ALL MASTERKEYS WILL BE SHIPPED VIA UPS DIRECTLY TO THE OWNER'S REPRESENTATIVE. WE WILL NOT RELEASE THESE KEYS WITHOUT THE FOLLOWING INFORMATION:

OWNER'S NAME/REPRESENTATIVE	<u>Coordinate w/ Lauren Reynolds</u>
COMPANY NAME	<u>Equity Program Management</u>
STREET ADDRESS	<u>455 Delta Ave, Ste 300</u>
CITY, STATE, ZIP	<u>Cincinnati, OH 45226</u>
PHONE NUMBER	<u>513-378-2359</u>
EMAIL ADDRESS	<u>lreynolds@equity.net</u>

KEYING:

<u> </u>	APPROVED AS SUBMITTED.
<u> X </u>	APPROVED AS NOTED. See next page. LG-BD
<u> </u>	NOT APPROVED. REVISE AND RESUBMIT.

Door #	KeySet	Comment	From Location	To Location	Hand
003	1AA		001 STORAGE	003 WTR/ELC	LR
S001	2AA		S001 STAIR	001 STORAGE	RR
S402	2AA	Make separate keysets. Keying conference to be scheduled with Owner per specs. LG-BD	S402 STAIR	410 KITCHEN	RR
110	3AA		111 CORR	110 PODCAST	LR
114	4AA		115 CORR	114 OFFICE	L
115b	5AA		EXTERIOR	115 CORR	LR
203	6AA		225 MANAGER	203 MECH CL	LR
218	6AA		HALL	218 STORAGE	L
411	6AA		410 KITCHEN	411 MECH	LR
313	7AA	Please make 6AA. LG-BD	314 LOUNGE	313 STORAGE	LR
413	8AA		410 KITCHEN	413 ATTIC	RR

***** KEYED DOOR COUNT: 11 *****

			/----FRAME DATA---\						OPENING		/-----DOOR DATA-----\									/-----HARDWARE-----\											
DOOR NO./ ARCH NO.	PR/ BK	LOCATION	G A U R E E S	S D E P T H	S E C T V	E L E V	A N C H O R	W I D T H	H E I G H T	M T R L	T H I C K	E L E V	U N C D U E T R	D E G R E	H A N D	L A B E L	Q T Y	S E T #	H I N G E	L O C K	C L O S E R	T W H S R T S H P	S T O P	P U S H L	K I C K	M I S C	M I S C				
BASEMENT																															
003		001 STORAGE 003 WTR/ELC	M16	5 3/4	A	1	EWA	3 - 0	7 - 0	18	1 3/4	F		90	LR			01	H1	L2 L3 L4	C1			S1			K1	M1			
S001		S001 STAIR 001 STORAGE	M16	5 3/4	A B	2	MA	3 - 0	7 - 0	18	1 3/4	F		90	RR	B		02	H1	L3 L4 L5	C1			S1			K1	M1			
LEVEL 1																															
101a.1	P1	EXTERIOR 101 VEST	AL		BO		NA	3 - 0	8 - 0	AL	1 3/4	BO		90	RR			03													
101a.2	P2						NA	3 - 0	8 - 0	AL	1 3/4	BO		90	LR			03													
101b.1	P1	101 VEST 102 LOBBY	AL		BO		NA	3 - 0	8 - 0	AL	1 3/4	BO		90	RR			04													
101b.2	P2						NA	3 - 0	8 - 0	AL	1 3/4	BO		90	LR			04													
104a		102 LOBBY 104 BAR	AL		BO		NA	3 - 0	8 - 0	AL	1 3/4	BO		90	L			20													
104B		105 EVENT 104 BAR			BO		NA	5 - 0	7 - 0		1 3/4	BO		-	**			19													
			PAIRED POCKET DOOR								PAIRED POCKET DOOR																				
105a.1	P1	102 LOBBY 105 EVENT	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	RR			04													
105a.2	P2						NA	3 - 0	7 - 0	AL	1 3/4	BO		90	LR			04													

			/----FRAME DATA---\					OPENING		/-----DOOR DATA-----\									/-----HARDWARE-----\												
DOOR NO./ ARCH NO.	PR/ BK	LOCATION	G A U R G I E S	D E P T H	S E C T	E L E V	A N C H O R	W I D T H	H E I G H T	M T R L	T H I C K	E L E V	U N C D U E T R	D E G R E E	H A N D	L A B E L	Q T Y	S E T #	H I N G E	L O C K	C L O S E R	T W H S R P H P	S T O P	P U S H L	K I C K	M I S C	M I S C				
105b		111 CORR 105 EVENT	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	LR			08													
106a		107 KITCHEN 106 MEETING	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R			06													
106b		107 KITCHEN 106 MEETING	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	L			06													
108		111 CORR 108 PHONE RM	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	RR			07													
109		111 CORR 109 PHONE RM	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	RR			08													
110		111 CORR 110 PODCAST	K16	5 7/8	E	3	CAD	3 - 0	7 - 0	SC OAK	1 3/4	F		90	LR			09	H1	L4 L6	C1			S1			K1	M1			
112		111 CORR 112 MENS	K16	5 7/8	E	3	CAD	3 - 0	7 - 0	SC OAK	1 3/4	F		90	R			10	H1		C2			S1	P2 P3	K1	M1				
113		111 CORR 113 WOMENS	M16	5 3/4	A B	2	EWA	3 - 0	7 - 0	SC OAK	1 3/4	F		90	L			10	H1		C2			S1	P2 P3	K1	M1				
114		115 CORR 114 OFFICE	K16	5 7/8	E	3	CAD	3 - 0	7 - 0	SC OAK	1 3/4	F		90	L	B		11	H1	L4 L6	C2			S1			K1	M1			
115a		115 CORR 111 CORR	M16	5 3/4	A B	2	EWA	3 - 0	7 - 0	SC OAK	1 3/4	F		90	LR	B		12	H1	L7	C2			S1			K1	M1			
115b		EXTERIOR 115 CORR	M16 G	5 3/4	A	1	SSA	3 - 2	7 - 0	18G TU	1 3/4	F		90	LR	B		13	H2	L3 L4 L8	C3	T1 W1 W2	S1				K2	M3 M4 M5 M6			
																				SEALED TOP CAP											
S101		102 LOBBY S101 STAIR	M16	8 1/2	H B	2	MA	3 - 0	7 - 0	SC OAK	1 3/4	NL		90	LR	B		14	H1	L11	C4						K1	M1			

			/----FRAME DATA---\					OPENING		/-----DOOR DATA-----\								/-----HARDWARE-----\											
DOOR NO./ ARCH NO.	PR/ BK	LOCATION	G A E U R G I E S	D E P T H	S E C T	E L E V	A N C H O R	W I D T H	H E I G H T	M T R L	T H I C K	E L E V	U N C D U E T R	D E G R E	H A N D	L A B E L	Q T Y	S E T #	H I N G E	L O C K	C L O S E R	T W H S R S H P	S T O P	P P U S L H L	K I C K	M I S C	M I S C		
S102		115 CORR S102 STAIR	M16	5 3/4	A B	2	EWA	3 - 0	7 - 0	SC OAK	1 3/4	NL		90	LR	B		12	H1	L11	C1		S1			K1	M1		
LEVEL 2																													
201		225 MANAGER 201 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	L			05											
202		225 MANAGER 202 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	L			05											
203		225 MANAGER 203 MECH CL	K16	5 7/8	E	3	CAD	3 - 0	7 - 0	18	1 3/4	F		90	LR			15	H1	L4 L9			S2				M1		
204		225 MANAGER 204 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R			05											
205		225 MANAGER 205 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R			05											
206		213 HALL 206 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	L			05											
207		213 HALL 207 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R			05											
208		213 HALL 208 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R			05											
209		213 HALL 209 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R			05											
210		213 HALL 210 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R			05											

			/----FRAME DATA----\					OPENING		/-----DOOR DATA-----\									/-----HARDWARE-----\											
DOOR NO./ ARCH NO.	PR/ BK	LOCATION	G A U R E E S	S D E P T H	S E C T	E L E V	A N C H O R	W I D T H	H E I G H T	M T R L	T H I C K	E L E V	U N C D U E T R	D E G R E	H A N D	L A B E L	Q T Y	S E T #	H I N G E	L O C K	C L O S E R	T W H S R S H P	S T O P	P P U S L H L	K I C K	M I S C	M I S C			
211		213 HALL 211 PHONE	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	RR			07												
212		213 HALL 212 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	L			05												
216		215 HALL 216 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	L			05												
217		215 HALL 217 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R			05												
218		HALL 218 STORAGE	M16	5 3/4	A B	2	EWA	3 - 0	7 - 0	18	1 3/4	F		90	L			16	H1	L4 L9				S1			M1			
219		HALL 219 UNISEX	K16	5 7/8	E	3	CAD	3 - 0	7 - 0	SC OAK	1 3/4	F		90	L			17	H1	L1				S1			M1			
220		HALL 220 UNISEX	K16	5 7/8	E	3	CAD	3 - 0	7 - 0	SC OAK	1 3/4	F		90	L			17	H1	L1				S1			M1			
221		214 LOUNGE 221 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R			05												
222		214 LOUNGE 222 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	L			05												
223		214 LOUNGE 223 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R			05												
224		225 MANAGER 224 MEETING	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R			05												
S201		S201 STAIR 225 MANAGER	M16	8 1/2	H B	2	MA	3 - 0	7 - 0	SC OAK	1 3/4	NL		90	RR	B		12	H1	L11	C2			S1		K1	M1			

			/----FRAME DATA---\					OPENING		/-----DOOR DATA-----\								/-----HARDWARE-----\											
DOOR NO./ ARCH NO.	PR/ BK	LOCATION	G A U R E S	S D E P T H	S E C T	E L E V	A N C H O R	W I D T H	H E I G H T	M T R L	T H I C K	E L E V	U N C D U E T R	D E G R E E	H A N D	L A B E L	Q T Y	S E T #	H I N G E	L O C K	C L O S E R	T W H S R P	S T O P	P P U S H L	K I C K	M I S C	M I S C		
S202		S202 STAIR HALL	HM		EX		NA	3 - 0	7 - 0	WD	1 3/4	EX		90	RR	B		12											
LEVEL 3																													
301		319 HALL 301 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	L			05											
302		320 HALL 302 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	L			05											
303		320 HALL 303 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	L			05											
304		320 HALL 304 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R			05											
305		320 HALL 305 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R			05											
306		320 HALL 306 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R			05											
307		320 HALL 307 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R			05											
308		320 HALL 308 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R			05											
309		320 HALL 309 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	LR			05											
310		320 HALL 310 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	RR			05											

			/----FRAME DATA---\					OPENING		/-----DOOR DATA-----\									/-----HARDWARE-----\											
DOOR NO./ ARCH NO.	PR/ BK	LOCATION	G A U R E S	S E P T H	S E C T	E L E V	A N C H O R	W I D T H	H E I G H T	M T R L	T H I C K	E L E V	U N C D U E T R	D E G R E	H A N D	L A B E L	Q T Y	S E T #	H I N G E	L O C K	C L O S E R	T W H S R P H P	S T O P	P P U S H L	K I C K	M I S C	M I S C			
311		314 LOUNGE 311 PHONE	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	LR			08												
312		314 LOUNGE 312 PHONE	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R			07												
313		314 LOUNGE 313 STORAGE	K16	5 7/8	E	3	CAD	2 - 0	7 - 0	18	1 3/4	F		90	LR			15	H1	L4 L9			S2				M1			
315		314 LOUNGE 315 UNISEX	K16	5 7/8	E	3	CAD	3 - 0	7 - 0	SC OAK	1 3/4	F		90	R			17	H1	L1			S1				M1			
316		314 LOUNGE 316 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	L			05												
317		319 HALL 317 MEETING	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R			05												
318		319 HALL 318 LAUNCHPD	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	L			05												
S301		S301 STAIR 319 HALL	M16	7	G B	2	MA	3 - 0	7 - 0	SC OAK	1 3/4	NL		90	RR	B		12	H1	L11	C2		S1			K1	M1			
S302		S302 STAIR 314 LOUNGE	HM		EX		NA	3 - 0	7 - 0	WD	1 3/4	EX		90	RR	B		12												
LEVEL 4																														
401		401 BALCONY 415 LOBBY	AL		BO		NA	3 - 0	6 - 6	AL	1 3/4	BO		90	RR			18												
402		410 KITCHEN 402 SUITE	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	L			05												

			/----FRAME DATA---\						OPENING		/-----DOOR DATA-----\									/-----HARDWARE-----\											
DOOR NO./ ARCH NO.	PR/ BK	LOCATION	G A U R E E S	S D E P T H	S E C T	E L E V	A N C H O R	W I D T H	H E I G H T	M T R L	T H I C K	E L E V	U N C D U E T R	D E G R E	H A N D	L A B E L	Q T Y	S E T #	H I N G E	L O C K	C L O S E R	T W H S R T S H P	S T O P	P P U S L H L	K I C K	M I S C	M I S C				
403		402 SUITE 403 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R				05												
404		402 SUITE 404 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R				05												
405		410 KITCHEN 405 OFF	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R				05												
406		410 KITCHEN 406 MEETING	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R				05												
408		410 KITCHEN 408 UNISEX	K16	5 7/8	E	3	CAD	3 - 0	7 - 0	SC OAK	1 3/4	F		90	R				17	H1	L1				S1			M1			
409		410 KITCHEN 409 UNISEX	K16	5 7/8	E	3	CAD	3 - 0	7 - 0	SC OAK	1 3/4	F		90	R				17	H1	L1				S1			M1			
411		410 KITCHEN 411 MECH	K16	5 7/8	E	3	CAD	3 - 0	7 - 0	18	1 3/4	F		90	LR				15	H1	L4 L9				S2			M1			
412		410 KITCHEN 412 PHONE	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	R				07												
413		410 KITCHEN 413 ATTIC	K16	5 7/8	E	3	CAD	3 - 0	5 - 2	18	1 3/4	F		90	RR				15	H1	L4 L9				S2			M1			
415		415 LOBBY 410 KITCHEN	AL		BO		NA	3 - 0	7 - 0	AL	1 3/4	BO		90	LR				05												
S401		S401 STAIR 415 LOBBY	M16	5 3/4	A B	2	MA	3 - 0	7 - 0	SC OAK	1 3/4	NL		90	RR	B			12	H1	L11	C2			S1		K1	M1			
S402		S402 STAIR 410 KITCHEN	K16	5 7/8	E	3	CAD	3 - 0	7 - 0	SC OAK	1 3/4	NL		90	RR	B			21	H1	L3 L4 L10	C2			S1		K1	M1			

* UNAPPROVED *

DOORS, FRAMES, & HARDWARE SCHEDULE
47617 - COHATCH LEADER BUILDING

* UNAPPROVED *

RUN DATE 2/27/2023 7:08:30 AM

RUN BY Megan.Peterson

MOST RECENT LF CHANGE ORDER INCLUDED :

DESCRIPTION OF PRODUCT

H-Code	Qty	Manufacturer's Number	Finish	Description/Remark	Quantity	Vendor Name
H1	3 EA	ECBB1100 4.5 X 4.5	US10B	FULL MORTISE HINGE	69	HAGER
H2	3 EA	BB1191 4.5 X 4.5 NRP	US10B	FULL MORTISE HINGE	3	HAGER

*** Total Qty 72 ***

L1	1 EA	L9040 17A L283-712 L283-722	613	MORTISE PRIVACY LATCH	5	SCHLAGE
L2	1 EA	25-R-L-NL 510L-NL QUA 3' HMD X HMF 299	313AN	RIM DEVICE	1	FALCON
L3	1 EA	C987 A12667-003-00 008876-001	613	HOUSING LESS CORE SFIC MORTISE CYLINDER	4	FALCON
L4	1 EA	CB806	613	CORE	11	FALCON
L5	1 EA	F-25-R-L-NL 510L-NL QUA 3' HMD X HMF 299F	313AN	FIRE RATED RIM DEVICE	1	FALCON
L6	1 EA	B511BD QUA 57435 5164	613	CYLINDRICAL ENTRY/OFFICE LOCK	2	FALCON
L7	1 EA	F-25-R-L-BE 510L-BE QUA 3' WD X HMF SNB 299F	313AN	FIRE RATED RIM DEVICE	1	FALCON
L8	1 EA	RXF-25-R-L-NL 510L-NL QUA 4' HMD X HMF MEL 299F	313AN	FIRE RATED RIM DEVICE	1	FALCON
L9	1 EA	B581BD QUA 57435 5164	613	CYLINDRICAL STOREROOM LOCK	5	FALCON
L10	1 EA	F-25-R-L 510L QUA 3' WD X HMF SNB 299F 39 1/4" C/L OF PUSHPAD	313AN	FIRE RATED RIM DEVICE	1	FALCON
L11	1 EA	F-25-R-L-BE 510L-BE QUA 3' WD X HMF SNB 299F 39 1/4" C/L OF PUSHPAD	313AN	FIRE RATED RIM DEVICE	5	FALCON

*** Total Qty 37 ***

P2	1 EA	8200 4" X 16"	US10B	PUSH PLATE	2	IVES
P3	1 EA	8305-8 4" X 16"	US10B	PULL PLATE	2	IVES

*** Total Qty 4 ***

C1	1 EA	SC71A RW/PA-PA	695	SURFACE CLOSER	4	FALCON
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H-Code	Qty	Manufacturer's Number	Finish	Description/Remark	Quantity	Vendor Name
C2	1 EA	SC71A RW/PA-REG	695	SURFACE CLOSER	8	FALCON
C3	1 EA	SC71A HD/PA	695	SURFACE CLOSER	1	FALCON
C4	1 EA	SC71A SS	695	SURFACE CLOSER	1	FALCON

*** Total Qty **14** ***

S1	1 EA	WS406/407CVX	US10B	WALL STOP	19	IVES
S2	1 EA	4424	US10B	SURFACE OVERHEAD STOP	4	ABH

*** Total Qty **23** ***

K1	1 EA	8400 8" X 34"	US10B	PROTECTION PLATE	13	IVES
K2	1 EA	8400 8" X 36"	US10B	PROTECTION PLATE	1	IVES

*** Total Qty **14** ***

T1	1 EA	425HDDKB 38" 10-24 MS/LA	DKB	THRESHOLD	1	NGP
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*** Total Qty **1** ***

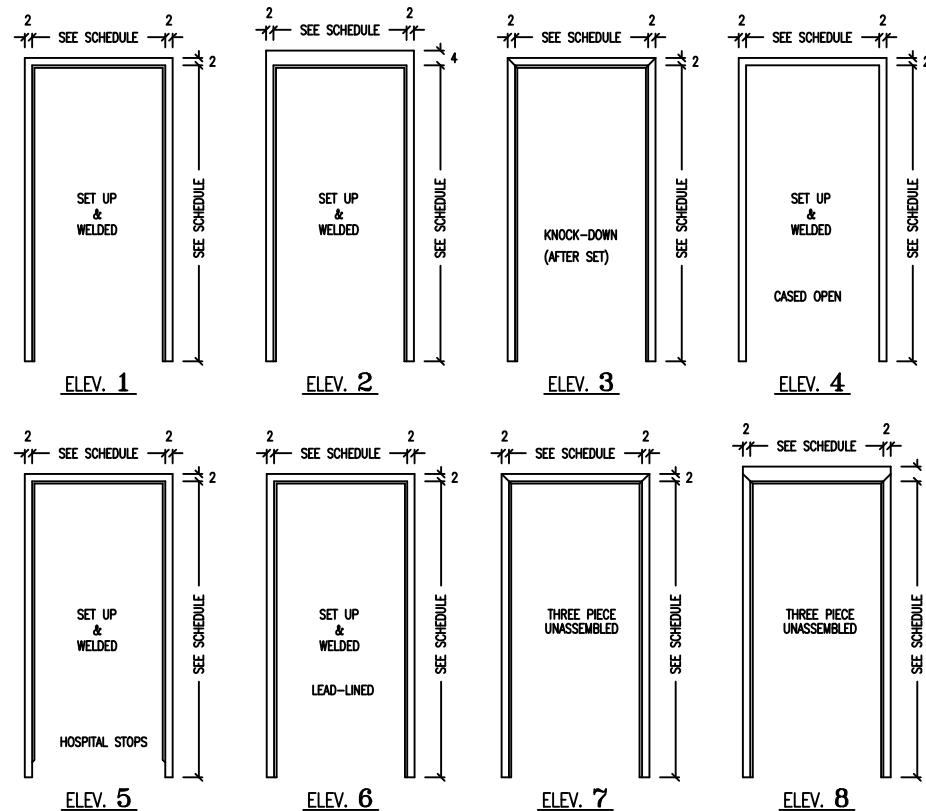
W1	1 EA	5050C 20'	C	SMOKE SEAL	1	NGP
W2	1 EA	200NDKB 38"	DKB	SWEEP	1	NGP

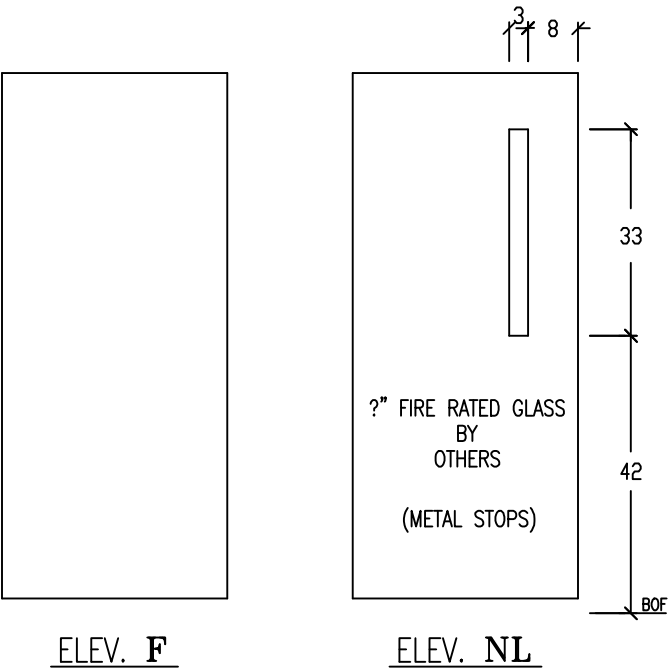
*** Total Qty **2** ***

M1	3 EA	608-RKW	GRAY	SILENCERS	69	ROCKWOOD
M3	1 EA	EPT 10	695	ELECTRIC POWER TRANSFER	1	VON DUPRIN
M4	1 EA	679-05HM	-	DOOR POSITION SWITCH	1	SCHLAGE
M5	1 EA	PS902 900-2RS-FA	-	POWER SUPPLY	1	SCHLAGE
M6	1 EA	CARD READER (DR/FR BY LF) (WALL/BOLLARD MOUNT)	-	BY OTHERS	1	MISC

H-Code	Qty	Manufacturer's Number	Finish	Description/Remark	Quantity	Vendor Name
		BY OTHERS				

*** Total Qty 73 ***







WOOD DOORS

JOB

NAME: COHATCH LEADER BUILDING

JOB #: 47617

WOOD DOOR MANUFACTURER: OSHKOSH ARCHITECTURAL DOOR

FACE SPECIES: PLAIN SLICED WHITE OAK 'A' GRADE BOOK AND RUN MATCH

DOOR CONSTRUCTION: PC-5

EDGES: VENEERED MATCHING

UNDERCUT: 5/8" U.C. (U.N.O.)

PREFIT: UNDERSIZED AS APPROPRIATE FOR APPLICATION, EDGES BEVELED
1/8" IN 2"

PREMACHINED: YES

PREFINISHED: YES - #500 CLEAR

FIRE RATING: POSITIVE PRESSURE - CATEGORY 'A'

LEED CREDITS: LEED V4 BD+C - WOOD DOORS MAY CONTRIBUTE TOWARDS
RECYCLED CONTENT AND WILL COMPLY WITH LOW-EMITTING REQUIREMENT.
ENVIRONMENTAL PRODUCT DECLARATIONS (EPDS) AVAILABLE UPON
REQUEST.

SPECIAL NOTES: BLOCKING FOR REINFORCEMENT OF HARDWARE AT RATED
DOORS WHERE REQUIRED

Oshkosh Door Company Full Door Warranty

OSHKOSH warrants all of its doors set forth herein to be of good material and workmanship and to be free of defects which would render said doors unserviceable or unfit for their ordinary, recommended use for the designated time period; except as otherwise set forth in this full door warranty.

OSHKOSH shall have no liability under this warranty or under any implied warranties unless such doors have been handled, stored, finished, installed and maintained in accordance with "HANDLING, JOB FINISHING AND INSTALLATION INSTRUCTIONS."

All doors must be inspected prior to installation. Any claims relating to the OSHKOSH DOOR WARRANTY must be reported upon discovery and submitted in writing within 30 days. OSHKOSH DOOR shall not be liable for any repairs to or replacement of doors without prior written approval. Installation of pre-finished doors shall constitute acceptance of the door finish.

If a claim for defective merchandise is found to be valid within the meaning of this warranty, OSHKOSH will either (1) repair it or (2) replace with an identical unit, or (3) refund the purchase price, at the option of OSHKOSH DOOR. No liability whatsoever shall attach until the door(s) involved have been paid for in full.

If any door BECOMES DEFECTIVE AFTER INSTALLATION within the meaning of this warranty and particularly regarding the manufacturer's provisions as included herein under the paragraph entitled "TOLERANCES", and after an inspection by an authorized company representative, OSHKOSH agrees in addition to the above, to pay reasonable expenses for removing, re-hanging, and refinishing the defective doors. Such removal, re-hanging, and refinishing, shall be performed only with the express written approval of an OSHKOSH corporate officer AND only after the cost of such work has been determined. If the defect for which the door is being rejected was visible and apparent PRIOR TO HANGING, OSHKOSH shall not be responsible for such costs of removing, re-hanging, and refinishing, of said doors.

DURATION OF WARRANTY

<u>DOOR SERIES</u>	<u>INTERIOR USE</u>	<u>EXTERIOR USE</u>
GP5 PARTICLE	Life of installation	No Warranty
GS5 STAVE	Life of installation	No Warranty
GT5 ENGINEERED	Life of installation	No warranty
GA ACOUSTICAL	Life of installation	No warranty
GL LEAD LINED	Life of installation	No warranty
GF C&B LABELED	Life of installation	No warranty
BR BULLET RESISTANT	Life of installation	No warranty

All time periods commence as of factory ship date.

CONDITIONS AND EXCEPTIONS

Under no circumstances will OSHKOSH DOOR be liable for the following: (a) Failures not reported within the applicable warranty period; (b) Failures or damage due to accidents, abnormal conditions of temperature or moisture, or negligence, abuse or improper installation; (c) Losses, costs, expenses, liabilities, and damages, including but without limitation to, loss of use or profits, damage to persons or property, and all other special or consequential damages, whether direct or indirect. (d) Any costs etc. incurred from finishing or hanging of a known defective product.

TOLERANCES

1. Size tolerance: Nominal thickness, height and width $\pm 1/16"$, prefit width $\pm 1/32"$.
2. Squareness tolerance: diagonal measurement difference shall not exceed $1/8"$.
3. Factory hardware preparation tolerance: A plus $1/32"$ minus $0"$ will be allowed for all hardware preps.
4. Stile, rail and core show-through (photographing) on flush doors shall not be considered a defect unless the faces of the door vary from a true plane more than $1/100"$ in any 3" span.
5. Warp shall not be considered a defect unless it exceeds $1/4"$ in the plane of the door itself. For doors $1-3/4"$ or thicker, warp shall not exceed $1/4"$ in doors $3/6 \times 7/0$ or smaller, nor shall it exceed $1/4"$ in any $3/6 \times 7/0$ section of larger doors. For doors less than $1-3/4"$ thick, warp shall not exceed $1/4"$ in doors $3/0 \times 7/0$ or smaller.

"Warp" is any distortion in the door itself and does not refer to the relationship of the door to the frame or jamb in which it is hung. The term "warp" shall include bow, cup and twist. In measuring the amount of warp present in a door, the following method shall be used; bow, cup and twist shall be measured by placing a straight edge, taut wire or string on the suspected concave face of the door at any angle (i.e., horizontally, vertically, diagonally) with the door in its installed position. The measurement of the bow, cup and twist shall be made at the point of maximum distance between the bottom of the straight edge, taut wire or string and the face of the door.

OSHKOSH shall have the option to allow any warped or photographing doors to "hang" one (1) full year after date of claim, in order that they may "acclimate" to their interior environment.

ADDITIONAL EXCLUSIONS

1. There is no warranty of the appearance of field finished doors or factory primed doors.
2. Natural variations in the color, grain and or texture of wood are not defects.
3. The warranty against warp does not apply to the following
 - a) Doors $1-3/8"$ thick which are wider than $3/0$ or higher than $7/0$
 - b) Any door with face veneers of different species on each side.
 - c) Any door that is hung improperly or does not swing freely, i.e. binding on hinges, dragging on frame or threshold.
 - d) Any door that has different finish options on each side.
 - e) Any door that is not hung with equivalent climate control of temperature and humidity on both sides of the door.
4. This warranty does not cover:
 - a) Flush doors with cutouts for lights and/or louvers, nearer than 5" to any edge of the door.
 - b) Flush doors with cutout areas exceeding 40% of the area of the face of the door or exceeding $1/2$ the height of the door except GT series.
 - c) All doors having less than 5" between cutouts for lights, unit locks, closers and/or other hardware cutouts except GT series which only requires a 2" minimum distance between.
 - d) Interior GT series door over 8-0 with full glass cutouts.
 - e) Any delamination caused by failure to protect and seal all exposed surfaces of the door and the continued proper maintenance of these surfaces.
 - f) The appearance of high gloss plastic, paint, or transparent finished doors.
 - g) Cracking of laminate around light openings cut by others.
 - h) Doors 7-6" and under with less than 3 hinges or pivots and doors over 7-6" with less than 4 hinges or pivots.
 - i) Doors with hardware that is not compatible with a particular door construction. Surface closers used as stops without thru-bolts. Doors with concealed closers, stops, or holders deeper

than 2" or wider than 1 1/4", and concealed vertical rod devices, (unless metal reinforcement channels utilized), or any machined pocket that leaves less than 1/4" thick cavity wall.

- j) Repairs or replacements made without prior written consent from manufacturer.
- k) Normal wear and tear including wear through of the finish, or doors deteriorating for reasons other than material and workmanship of the door itself.
- l) Door face breakage or flare out on either side of automatic flushbolt preps, when installed without supplied reinforcement caps.
- m) Failure due to hardware being installed with self-tapping screws or combination metal/wood screws. All hardware must be attached with appropriate length and size thread-to-head wood screws or through bolts.
- n) Failure due to not drilling or drilling improper size pilot holes.
- o) Acoustical doors requiring mortise hardware other than standard locks and hinges.
- p) Doors altered by others (except for distributors licensed to machine OSHKOSH doors).
- q) Fading or darkening of door veneer or finishes due to exposure to ultraviolet light.
- r) Doors subjected to humidity levels less than 25% or more than 55%.
- s) Doors with parallel arm mounted closers require SCL blocking unless through bolted on.
- t) Doors stored longer than 6 months.
- u) Door accessories supplied by Oshkosh
- v) Doors shipped outside the continental 48 states or to areas that subject the doors to abnormal heat or humidity.
- w) Any issues created by failure to follow handling, job finishing and installation instructions.

THE ABOVE WARRANTY PROVISIONS ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER WARRANTY OF MERCHANTABILITY.

2501 Universal St. 54904
920-233-6161
www.oshkoshdoor.com

CARE AND MAINTENANCE

Wood veneer doors with clear top coats

Finish Type: UV Polyurethane

Cleaning

- Damp soft cloth with mild soap and water
- Dry with clean soft cloth

Note:

Do Not use any cleaning compounds or cleaners that contain ammonia, active solvents such as acetone or methyl ethyl ketone, or cloths containing abrasives.

For doors with grease or oil on them that mild soap and water will not remove a cloth dampened with Mineral Spirits may be used.

Maintenance

Due to the hardness of the UV Polyurethane no further maintenance of the door finish is required beyond the cleaning described above. However as the finish wears from normal usage the sheen may be revitalized by applying pure lemon oil.

- Apply lemon oil with a soft cloth
- Wipe off excess with a clean dry soft cloth

Note:

Do Not use furniture polishes on the doors. Waxes and polishes create build up on the surface of the door which collect and hold dirt. The use of these products will shorten the finish life.

OSHKOSH

Door Company

www.oshkoshdoor.com

STORAGE, HANDLING AND INSTALLATION INSTRUCTIONS

STORAGE AND HANDLING

- DOORS SHALL ALWAYS BE STORED FLAT, OFF OF THE FLOOR WITH BOTTOM DOOR BEING SUPPORTED EVERY 24 INCHES IN CLEAN, DRY SURROUNDINGS. PROTECT FROM DIRT, WATER AND ABUSE. IF NOT FACTORY SEALED TOP AND BOTTOM, AND DOORS ARE TO BE STORED FOR LONG PERIODS, DOORS MUST BE SEALED NOT LATER THAN ONE WEEK AFTER RECEIPT WITH A NON-WATER BASED SEALER UNLESS SCL AND/OR ANY COMPOSITE MATERIAL RAILS ARE USED THEN SEALING IS NOT REQUIRED EXCEPT IN EXTERIOR APPLICATIONS. THE BEST WAY TO STORE IS TO KEEP DOORS ON ORIGINAL SHIPPING PALLET WITH ALL PACKING INTACT.
- TRIMMED EDGES MUST BE IMMEDIATELY RESEALED UNLESS SCL AND/OR ANY COMPOSITE MATERIAL RAILS ARE USED THEN. SEALING IS NOT REQUIRED EXCEPT IN EXTERIOR APPLICATIONS
- DOORS SHALL NOT BE EXPOSED TO EXCESSIVE MOISTURE, HEAT, DRYNESS, DIRECT SUNLIGHT OR WHERE HEATING AND/OR AIR CONDITIONING DUCTS WILL BLOW DIRECTLY ON THEM. RELATIVE HUMIDITY SHOULD NOT BE LESS THAN 25% OR GREATER THAN 55%.
- DOORS SHALL ALWAYS BE HANDLED WITH CLEAN HANDS OR WHILE WEARING CLEAN GLOVES. BARE HANDS LEAVE FINGER MARKS AND SOIL STAINS.
- ALWAYS KEEP POLY BAG ON PREFINISHED DOORS UNTIL THEY ARE READY TO HANG.
- **DOORS PREFINISHED AT THE FACTORY MUST BE COMPARED WITH THE APPROVED FINISH SAMPLE BEFORE HANGING. OSHKOSH WILL NOT BE LIABLE IF DOOR IS REJECTED FOR COLOR AFTER IT IS INSTALLED.**

INSTALLATION INSTRUCTIONS, GENERAL

- THE INTENDED SERVICE OR STRUCTURAL STRENGTH OF THE DOORS MUST NOT BE IMPAIRED BY FITTING TO THE OPENING, BY APPLYING HARDWARE, BY PREPARING FOR LIGHTS, LOUVERS, OR PLANT-ONS OR BY OTHER DETAILING.
- USE A MINIMUM OF ONE HINGE FOR EACH 30 INCHES OF DOOR HEIGHT. WHEN USING THREE OR MORE HINGES, FOLLOW THE MANUFACTURERS STANDARD HINGE SPACING.
- CLEARANCES BETWEEN DOOR EDGES AND DOOR FRAMES SHALL BE A NOMINAL 1/8 INCH. THIS INCLUDES THE HINGE EDGE, LOCK EDGE, AND THE TOP EDGE (HEAD) OF THE DOOR.
- ALL HARDWARE LOCATIONS, PREPARATIONS FOR HARDWARE AND METHODS OF HARDWARE ATTACHMENT MUST BE APPROPRIATE FOR THE DOOR CONSTRUCTION. TEMPLATES FOR SPECIFIC HARDWARE PREPARATIONS ARE AVAILABLE FROM HARDWARE MANUFACTURERS.

45, 60, 90 MINUTE FIRE DOORS, ADDITIONAL INSTALLATION INSTRUCTIONS

THESE ADDITIONAL INSTRUCTIONS SHOULD BE FOLLOWED TO ASSURE SATISFACTORY SERVICE FROM THE PRODUCT.

- NO MACHINING FOR HARDWARE MAY BE DONE OUTSIDE A LABELING SERVICE APPROVED SHOP EXCEPT FOR LOCK FUNCTION HOLES AND VIEWER PREPS NOT EXCEEDING 1" IN DIAMETER.
- NO TRIMMING OF DOOR WIDTH ALLOWED.
- TRIM FOR HEIGHT ON BOTTOM ONLY AND NOT MORE THAN 3/4 INCH...FROM NON-COMBUSTIBLE FLOOR.
- METAL LABEL MUST REMAIN ON DOOR HINGE EDGE. INSTALL DOOR WITH LABEL ON HINGE, NEAR TOP.
- IF INSTALLED WITH MORTISE HINGES, USE NO. 12 BY 1-1/4 INCH THREADED-TO-THE-HEAD STEEL SCREWS WITH CONSTANT DIAMETER WOOD THREADS. ALWAYS DRILL 5/32 INCH DIAMETER PILOT HOLES FOR NO. 12 SCREWS. PILOT HOLES SHOULD BE DRILLED THROUGH THE STILE, TO THE CORE.
- IF INSTALLED WITH SURFACE HINGES, ATTACH WITH STEEL THROUGH BOLTS.
- INSTALL LOCKS OR LATCHES USING NOT LESS THAN NO. 8 THREADED-TO-THE-HEAD STEEL SCREWS WITH CONSTANT DIAMETER WOOD THREADS. ALWAYS DRILL 1/8 INCH DIAMETER PILOT HOLES FOR NO. 8 SCREWS.

FAILURE TO DRILL **CORRECT** SIZE PILOT HOLES COULD RESULT IN UNSATISFACTORY ATTACHMENT.

Field inspection costs for doors found defective due to faulty materials or workmanship, will be assumed by Oshkosh Door Company within the limits of its warranty. Inspection costs for doors found compliant with referenced standards, damaged through mishandling, or rejected due to faulty storage, handling, or field finishing standards, will be charged to the initiator of such inspection.



FULL MORTISE - ECCO

FIVE KNUCKLE



EC1100 | EC1100NRP
Plain Bearing - Standard Weight
 Steel with steel pin (ANSI A8133)

EC1101
Plain Bearing - Standard Weight

- Stainless steel with stainless steel pin (ANSI A5133) or brass with stainless steel pin (ANSI A2133)
- Non-rising removable pin with button tip and plug
- Use ball bearing hinge when a door closer is installed on the door
- For use on medium weight doors or doors requiring low frequency service

Hinge Size		Gauge of Metal	Hole Count	Screw Size	
Inches	mm			Machine	Wood
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



ECRC1100
Plain Bearing - Standard Weight

- Steel with steel pin (ANSI A8133)
- Non-rising removable pin with button tip and plug
- Use ball bearing hinge when a door closer is installed on the door
- Round corner with 1/4" (6 mm) radius standard
- For use on medium weight doors or doors requiring low frequency service

Hinge Size		Gauge of Metal	Hole Count	Screw Size	
Inches	mm			Machine	Wood
4 x 4	102 x 102	0.129	8	1/2 x 12-24	1-1/4 x 12



ECBB1100 | ECBB1100NRP
Ball Bearing - Standard Weight
 Steel with steel pin (ANSI A8112)

ECBB1101 | ECBB1101NRP
Ball Bearing - Standard Weight

- Brass with stainless steel pin (ANSI A2112) or 304 stainless steel with stainless steel pin (ANSI A5112)
- Two ball bearings
- Non-rising removable pin with button tip and plug
- ECBB1101 and ECBB1101NRP only available in 4-1/2" x 4-1/2" (114 mm x 114 mm)
- For use on medium weight doors or doors requiring medium frequency service
- 304 stainless steel standard
- **316 stainless steel available**



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Hinge Size		Gauge of Metal	Hole Count	Screw Size	
Inches	mm			Machine	Wood
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



ECRCBB1100
Ball Bearing - Standard Weight

- Steel with steel pin (ANSI A8112)
- Two ball bearings
- Non-rising removable pin with button tip and plug
- Round corner with 1/4" (6 mm) radius standard
- 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
4 x 4	102 x 102	0.129	8	1/2 x 12-24	1-1/4 x 12





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)

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

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WTBB1191

Ball Bearing - Standard Weight - Wide Throw

Brass with stainless steel pin (ANSI A2112) or stainless steel with stainless steel pin (ANSI A5112)

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

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

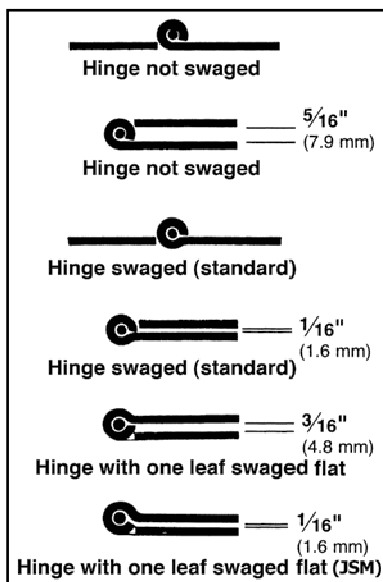
Hinge Size		Gauge of Metal	Hole Count	Screw Size	
Inches	mm			Machine	Wood
3-1/2 x 5	89 x 127	0.119	6	1/2 x 10-24	1 x 9
3-1/2 x 6	89 x 152	0.119	6	1/2 x 10-24	1 x 9
4 x 5	102 x 127	0.129	8	1/2 x 12-24	1-1/4 x 12
4 x 6	102 x 152	0.129	8	1/2 x 12-24	1-1/4 x 12
4 x 7	102 x 178	0.129	8	1/2 x 12-24	1-1/4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



GENERAL INFORMATION

Swaging

Swaging is a slight offset of the hinge leaf at the barrel. This offset permits the leaves to come closer together when the door is in the closed position. If the hinge were to be left in the natural state after the knuckle was rolled, the hinge would be referred to as a "flatback". A flatback hinge has a gap between the leaves of approximately 5/16" (7.9 mm). This would allow heat and air-conditioning to escape, not to mention the unsightly gap between the door and frame. Standard gap (Swag) is 1/16", specify "O" Swag for no gap.



The swaging on standard weight and heavy weight full mortise hinges provides 1/16" (1.6 mm) clearance between the leaves when the leaves are in the closed position. Full mortise hinges used on beveled doors will affect lockside clearance, especially for wide throw applications.

Safety Stud



The **Safety Stud (SH)** 3/16" (4.8 mm) projection is a feature that places a stud on one leaf and a locking hole on the other leaf. When the door is closed, the stud is anchored into the opposite leaf. Even if the hinge pin is removed, the door is secure because the leaves are locked together.

Reverse Security Stud



The **Reverse Security Stud (RSS)** 7/16" (11.1 mm) projection is a feature that has a welded stud projecting from the back of both leaves into the reinforcing plate of both the frame and the door. It is intended to keep the hinge locked in place from abuse of battering or trying to shear the hinge and screws. This feature is primarily used in prisons and psychiatric areas.

Tip Styles



Flat Button Tip
(ET - 3 Knuckle)



Tri-Con Flush Pin



Hospital Tip (HT)



Acorn Tip



Ball Tip



Steeple Tip



Urn Tip

Security Features

Three additional features that are commonly used are: Non-Removable Pin (NRP), Safety Stud (SH), and Reverse Security Stud (RSS). **These features are intended as deterrents only.**

Non-Removable Pin



The **Non-Removable Pin (NRP)** hinge barrel is drilled and tapped to receive a small set screw which is tightened against the hinge pin. The pin has a groove in the position where the set screw makes contact, allowing the set screw to seat. The set screw is positioned so it cannot be reached unless the door is opened. If pin removal is necessary, the set screw is merely removed and the pin tapped from the bottom in the usual manner.

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The Schlage® L Series mortise locks

Security has always been at the heart of all our products. But, today we offer so much more. Since our beginning nearly 100 years ago, Schlage® has consistently delivered innovation and continuous improvement to the solutions you've grown to trust. And the L Series mortise locks are no exception.

Proven technology

The L Series is built to withstand the rigors of daily use without fail and is among the most durable, dependable and intelligent family of products on the market today. When you choose a Schlage lock you can have confidence you've chosen a solution that will provide protection at the most critical moments.

Comprehensive offering for every opening

Mechanical, wired electrified, wireless electronic and multi-point solutions allow a common aesthetic and consistent user experience throughout the building while lowering the total cost of ownership.

And, with an extensive list of functions, keying, trim, levers and finish options the L Series works for any application.



Mechanical product specifications

	L mechanical and L wired electrified	LM9200	LM9300
Chassis			
Case material	CRS with zinc dichromate plating		
Case size	L9000 Series: 4 7⁄16" x 6 1⁄16" x 1" (113 mm x 154 mm x 25 mm)	4 7⁄16" x 12 19⁄32" X 1" (113 mm x 320 mm x 25 mm)	4 7⁄16" x 6 1⁄16" x 1" (113 mm x 154 mm x 25 mm) (chassis only)
	L400 Series: 4 7⁄16" x 3 5⁄8" x 1" (113 mm x 92 mm x 25 mm)		
Spacing	Knob or lever to cylinder: 3 7⁄8" (98 mm); knob or lever to thumbturn hub: 2 11⁄16" (68 mm)		
Door thickness	Standard: 1 3⁄4" (44 mm)	Standard: 1 3⁄4" (44 mm)	
	Optional: 1 3⁄8" (35 mm) to 2 1⁄2" (64 mm)	Optional: 1 3⁄8" (35 mm) to 2 1⁄2" (64 mm)	
	Over 2 1⁄2" (64 mm) door ranges vary by function. Specify door thickness if other than 1 3⁄4" and position in door EE, EI, EO, ED	Over 2 1⁄2" (64 mm) door ranges vary by function. Specify door thickness if other than 1 3⁄4" and position in door EE, EI, EO, ED	Standard: 1 3⁄4" (44 mm)
Handing	L9000 Series: Field-reversible without disassembly	Handed to order, field reversible	Handed to order, not field reversible
	L400 Series: Non-handed		
Trim			
Levers/knobs	33 lever designs (see page 12-15): Forged brass or bronze and cast stainless steel		
	Two knob designs (see page 15): Heavy-duty wrought brass, bronze or stainless steel		
	Ligature resistant lever (SL1) and knob (SK1)		
	HL6 hospital latch (available on 9010 and 9040 functions only)		
Roses/ escutcheons	Tactile warning applied to outside lever; available on 01, 02, 03, 05, 06, 07, 12, 17, 18, M51, M52, M81, ME1, ME2, ME3 lever designs		
	L escutcheons: 7 15⁄16" x 1 3⁄4" x 7⁄16" (202 mm x 44 mm x 11 mm); cold-forged brass or bronze and stainless steel		
	N escutcheons: 7 7⁄8" x 2 1⁄2" x 7⁄16" (200 mm x 64 mm x 11 mm); heavy wrought reinforced brass, bronze and stainless steel		
Finishes	Roses: A ,B ,C: wrought brass or bronze and stainless steel; AVA and MER: forged brass		
Combinations	14 available: 605, 606, 609, 612, 613, 619, 622, 625, 626, 626AM, 629, 630, 630AM, 643e		
Available with knob both sides, lever both sides, or knob/lever combinations. Roses cannot be combined with escutcheons.			
Latches			
Backset	2 3⁄4" (70 mm) only		
Armor	L9000 Series		
	Standard: 1 1⁄4" x 8" x 7⁄32" (32 mm x 203 mm x 6 mm)	1 1⁄4" x 15 55⁄64" x 7⁄32" (32 mm x 403 mm x 6 mm)	Standard: 1 1⁄4" x 8" x 7⁄32" (32 mm x 203 mm x 6 mm)
	Optional: 1 1⁄16" x 8" x 7⁄32" (27 mm x 203 mm x 6 mm)		Optional: 1 1⁄16" x 8" x 7⁄32" (27 mm x 203 mm x 6 mm)
	L400 Series: 1 1⁄4" x 5 9⁄16" x 7⁄32" (32 mm x 141 mm x 6 mm)		
Bolt	1" (25 mm) throw stainless steel deadbolt	Via concealed vertical cable	3⁄4" (19 mm) throw stainless steel latch
	3⁄4" (19 mm) throw stainless steel latch with anti-friction tongue		
Strike	L9000 Series		
	Standard: ANSI curved lip strike 1 1⁄4" x 4 7⁄8" (32 mm x 124 mm) x 1 3⁄16" (30 mm) lip to center with dust box		Standard: ANSI curved lip strike 1 1⁄4" x 4 7⁄8" (32 mm x 124 mm) x 1 3⁄16" (30 mm) lip to center with dust box
	Optional: Extended lip strike options (7⁄8", 1", 1 1⁄2", 1 3⁄4", 2")	Via concealed vertical cable	Optional: Extended lip strike options (7⁄8", 1", 1 1⁄2", 1 3⁄4", 2")
	L400 Series		
	Standard: 1 1⁄8" x 3 1⁄2" (29 mm x 89 mm) with dust box		
	Optional: 1 1⁄4" x 4 7⁄8" (32 mm x 124 mm) with dust box		

Mechanical product specifications (cont.)

L mechanical and L wired electrified		LM9200	LM9300
Cylinders and key systems			
Formats	Standard: Pin and tumbler mechanism in the Patented Schlage Everest 29 S123 keyway (6-pin); two nickel silver cut keys per lock		
	Additional keying options available: Conventional and interchangeable cores; master and grand master keying; compatible with competitor cylinders and cams that support the L9000 Series		
Wired electrified			
Input voltage	12V or 24V DC for L909X	12V or 24V DC for LM92X	—
Operating mode	Fail Safe or Fail Secure via switch on chassis	Fail Safe or Fail Secure via switch on chassis	—
Current draw	0.23 amps maximum; 0.01 amps holding	0.23 amps maximum; 0.01 amps holding	—
Request to Exit	Modular option on L909X and L949X electrified functions (when ordering or added in field)		
	Available upon request: L9010/50/56/70/71/80 and L9453/56/58/65/66/80/85 mechanical functions Rating: 3A @ 125V AC/2A @ 30V DC	—	—
Latch bolt monitor	Available on all L909x and L949x electrified and L9010/25/26/50/56/70/71/80/82 and L9453/56/65/66/80/85 mechanical functions	—	—
Door position sensor	Internal available on L909x electrified and L9010/80/82 mechanical functions; external available on all functions	—	—
Deadbolt monitor	Available on L949x electrified and L9453/56/57/58/80/85/86/96 mechanical functions	—	—
Warranty			
	3 year limited mechanical and 1 year limited electromechanical	3 year limited mechanical and 1 year limited electromechanical	3 year limited mechanical
Certifications			
ANSI/BHMA	L/LV9000: ANSI/BHMA A156.13-2017 Series 1000, Grade 1 Operational and Security With FSIC interchangeable core cylinders: Grade 2 Security With SFIC interchangeable core cylinders: Grade 3 Security ASTM F476-76 Grade 40 L400: ANSI/BHMA A156.36 Grade 1	ANSI/BHMA A156.37-2014 Grade 1 Operational and Security With FSIC interchangeable core cylinders: Grade 2 Security With SFIC interchangeable core cylinders: Grade 3 Security	ANSI/BHMA A156.37-2014 Grade 1 Operational and Security With FSIC interchangeable core cylinders: Grade 2 Security With SFIC interchangeable core cylinders: Grade 3 Security
ICC	Complies with ICC A117.1 Accessible and Usable Buildings and Facilities	—	—

Mechanical product specifications (cont.)

	L mechanical and L wired electrified	LM9200	LM9300
UL/cUL	UL 10C and CAN/ULC-S104 3-hour Fire Listed All locks listed for A label single doors, 4' x 10' and pairs 8' x 10' Letter F and UL symbol on latch front indicate listing Electrified functions are UL/ULC Listed for single-point locking applications UL 437 Listed when using UL 437 cylinder UL Listed for 3-hour fire door (except L9076 and L9077)	UL 10C and CAN/ULC-S104 1 1/2 hour maximum Fire Listing - pairs only UL 437 Listed when using UL 437 cylinder Hollow metal: Pair swinging same direction 2 point or LBL, 8' x 8': 90 minute; pair double egress w/astragal 2 point or LBL, 8' x 8': 90 minute Wood covered: Composite core pair swinging same direction 2 point, 8' x 8': 45 minute; composite core pair swinging same direction LBL, 8' x 8': 20 minute no hose stream	UL 10C and CAN/ULC-S104 3-hour Fire Listed UL 437 Listed when using UL 437 cylinder When furnished with the door trim and strike plate, is intended for use on single swing doors or on the active leaf of door pairs rated up to and including 3 hour, with individual door leaves measuring up to and including 4' x 8'
CA Fire Code	All levers with a return to door of 1/2" (64 mm) or less comply (Formerly Title 19, California State Fire Marshal Standard)		
FL Building Code	Miami-Dade NOA's and Florida Building Commission Listings	—	Florida Building Commission Listings
Tornado	—	—	Tornado Assembly Approvals: With Intertek Testing UL approved to FEMA 361 and FEMA 320 and ICC 500 tornado shelter guidelines when paired with Steelcraft Paladin doors and frames

Wireless electronic product specifications

LE wireless electronic	
Chassis	
Case material	CRS with zinc dichromate plating
Case size	4 7/16" x 6 1/16" x 1" (113 mm x 154 mm x 25 mm)
Spacing	Knob or lever to cylinder, 3 7/8" (98 mm); knob or lever to thumbturn hub, 2 11/16" (68 mm)
Door thickness	Standard: 1 3/4" (44 mm) Optional: Up to 2 1/4" (57 mm) SFIC limited to 2" max
Handing	Handed to order, field reversible
Trim	
Levers/knobs	31 lever designs (see page 12-15): Forged brass or bronze Two knob designs (see page 15): Heavy-duty wrought brass or bronze Tactile warning applied to outside lever; available on 01, 02, 03, 05, 06, 07, 12, 17, 18, M51, M52, M81, ME1, ME2, ME3 lever designs
Roses/escutcheons	Addison escutcheon Greenwich sectional with rose: A ,B ,C, AVA, MER Roses: A ,B ,C can be wrought brass or bronze and stainless steel; AVA and MER are forged brass
Finishes	Nine available: 605, 606, 612, 619, 622, 625, 626, 626AM, 643e

LE wireless electronic

Latches

Backset	2 ³ / ₄ " (70 mm) only
Armor	1 ¹ / ₄ " x 8" x ⁷ / ₃₂ " (32 mm x 203 mm x 6 mm)
Bolt	1" (25 mm) throw stainless steel deadbolt ³ / ₄ " (19 mm) throw stainless steel latch with anti-friction tongue
Strike	Standard: ANSI curved lip strike 1 ¹ / ₄ " x 4 ⁷ / ₈ " (32 mm x 124 mm) x 1 ³ / ₁₆ " (30 mm) lip to center with dust box Optional: Extended lip strike options (1 ¹ / ₂ ", 1 ³ / ₄ ")

Cylinders and key systems

Formats	Standard: Pin and tumbler mechanism in the Patented Schlage Everest 29 S123 keyway (6-pin); two nickel silver cut keys per lock Additional keying options available: Conventional and interchangeable cores; master and grand master keying; compatible with competitor cylinders and cams that support the L9000 Series
---------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Wireless electronic

Input voltage	4 AA batteries
Functions	LEMS: Storeroom (80) LEMB and LEMD selectable: Storeroom (80), Office (50), Apartment (60) or Privacy (40)
Communication	2.4 GHz Wi-Fi® (IEEE 802.11b/g/n) Bluetooth low energy (version 4.2)
Request to Exit	Integrated into chassis
Door position sensor	Integrated in chassis for LEMS and LEMB, separate from chassis for LEMD
Tamper sensor	Integrated interior cover tamper
Temperature range	Exterior temperature: -31° to 151°F (-35° to 66°C) Interior temperature: 32° to 120°F (0° to 49°C) (battery) Humidity: 0 - 100% non-condensing

Warranty

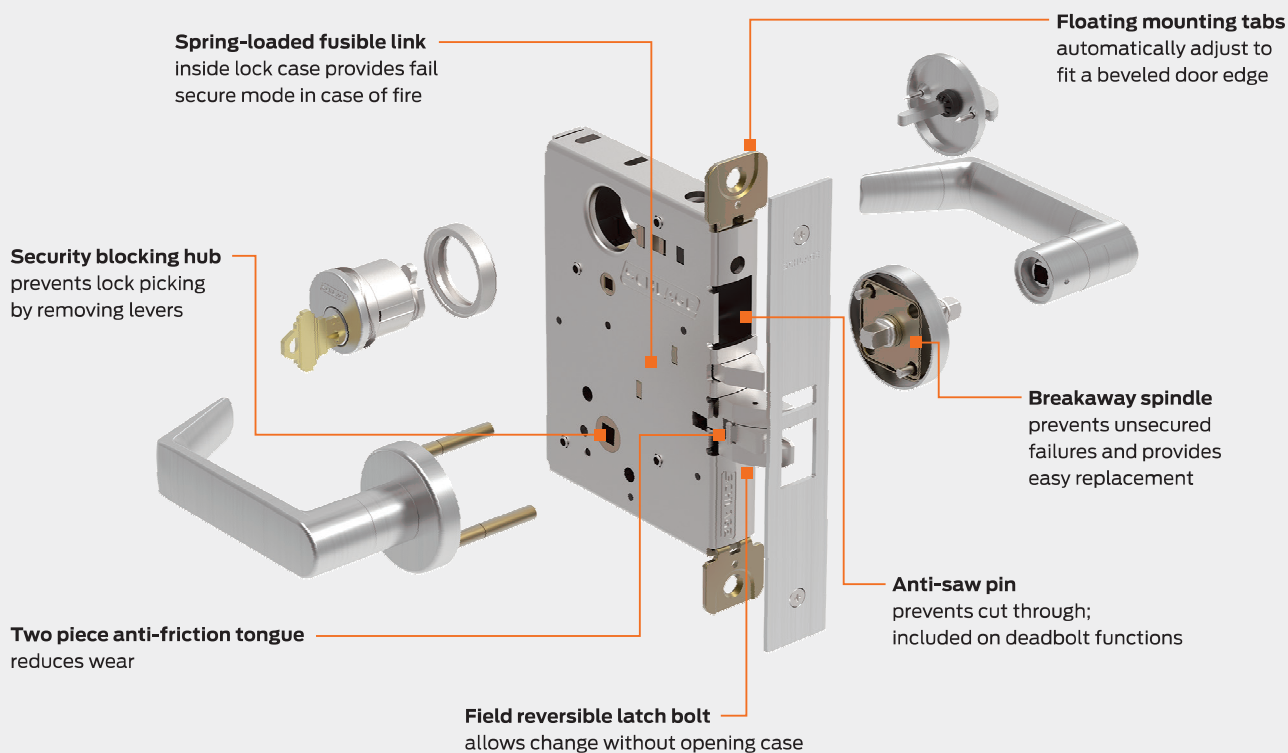
	1 year wireless electronic
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Certifications

ANSI/BHMA	ANSI/BHMA A156.25-2013 (indoor/locked outdoor) ANSI/BHMA A156.13-2017 Series 1000, Grade 1 Operational and Security With FSIC interchangeable core cylinders: Grade 2 Security With SFIC interchangeable core cylinders: Grade 3 Security ASTM F476-76 Grade 40
ICC	Complies with ICC A117.1 Accessible and Usable Buildings and Facilities
UL/CUL	UL 10C and CAN/ULC-S104 3-hour Fire Listed All locks listed for A label single doors, 4' x 10' and pairs 8' x 10' Letter F and UL symbol on latch front indicate listing Electrified functions are UL/ULC Listed for single-point locking applications UL 437 Listed when using UL 437 cylinder UL 294 ULC S319
CA Fire Code	All levers with a return to door of ¹ / ₂ " (64 mm) or less comply (Formerly Title 19, California State Fire Marshal Standard)
FL Building Code	Florida Building Commission Listings
Tornado	—

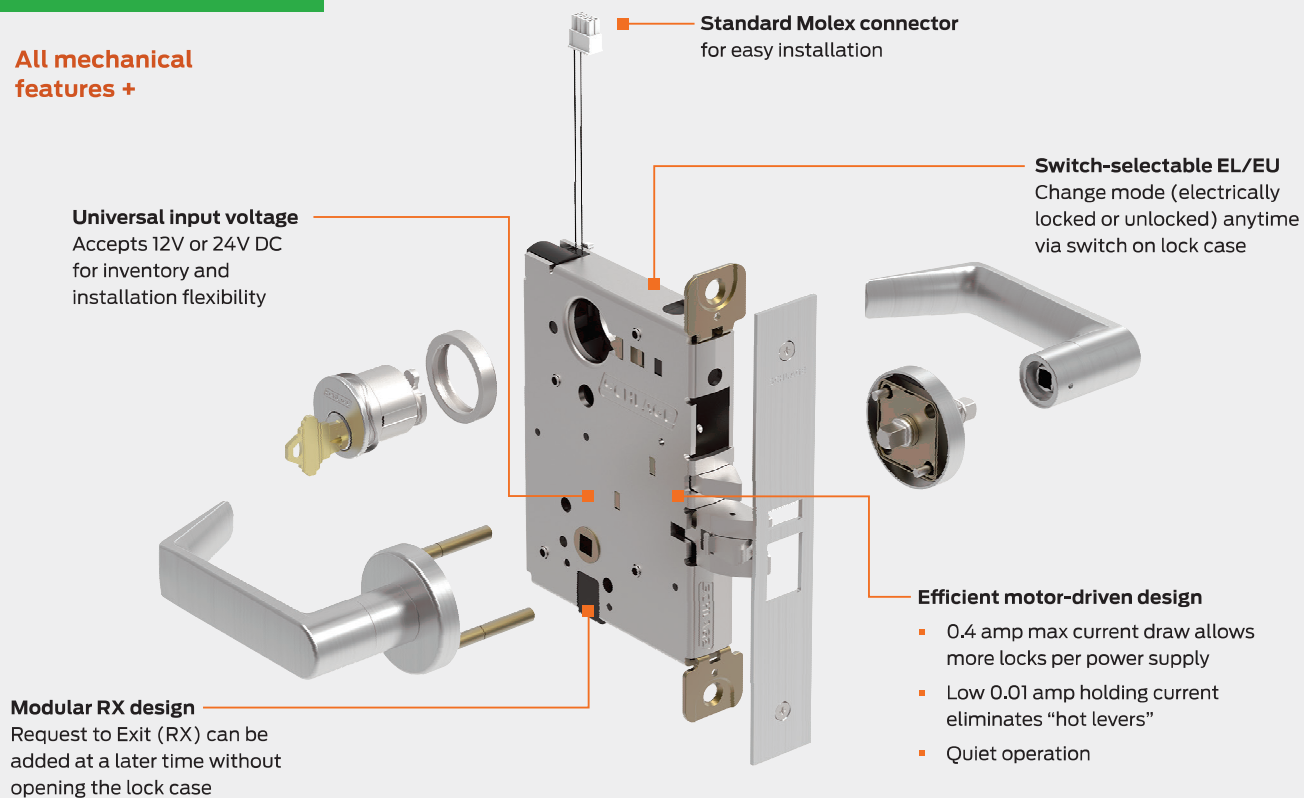
A detailed look...

L mechanical



L wired electrified

All mechanical features +



LE wireless electronic

Most mechanical features +

Integrated multi-technology reader

reads both 125 kHz proximity and 13.56 MHz smart credentials

Built-in No-Tour capability

eliminates the need to visit the locks by using smart credentials to update access rights

Mechanical key override

compatible with most popular key systems

Built-in Bluetooth®

enables wireless configuration from smart phones and tablets

Built-in Wi-Fi

enables automatic updates to access rights

Up to 2 years of battery life with 4 AA batteries

Integrated door position switch

requires no additional prep on MS and MB chassis options

LM9200 multi-point

Fire protection

90 min hollow metal door fire rating; 60 min wood door fire rating with metal wrap

Concealed vertical cables provide clean look and simple installation

Top and bottom locking points allow both leafs of a pair of doors to be active via switch on lock case

Suites visually with Schlage L Series and Von Duprin trim for design continuity

LM9300 multi-point

Vertical rods ship installed and aligned in Steelcraft doors, enabling quick and simple installation

Flexible installation and removal of lock can be done with door installed

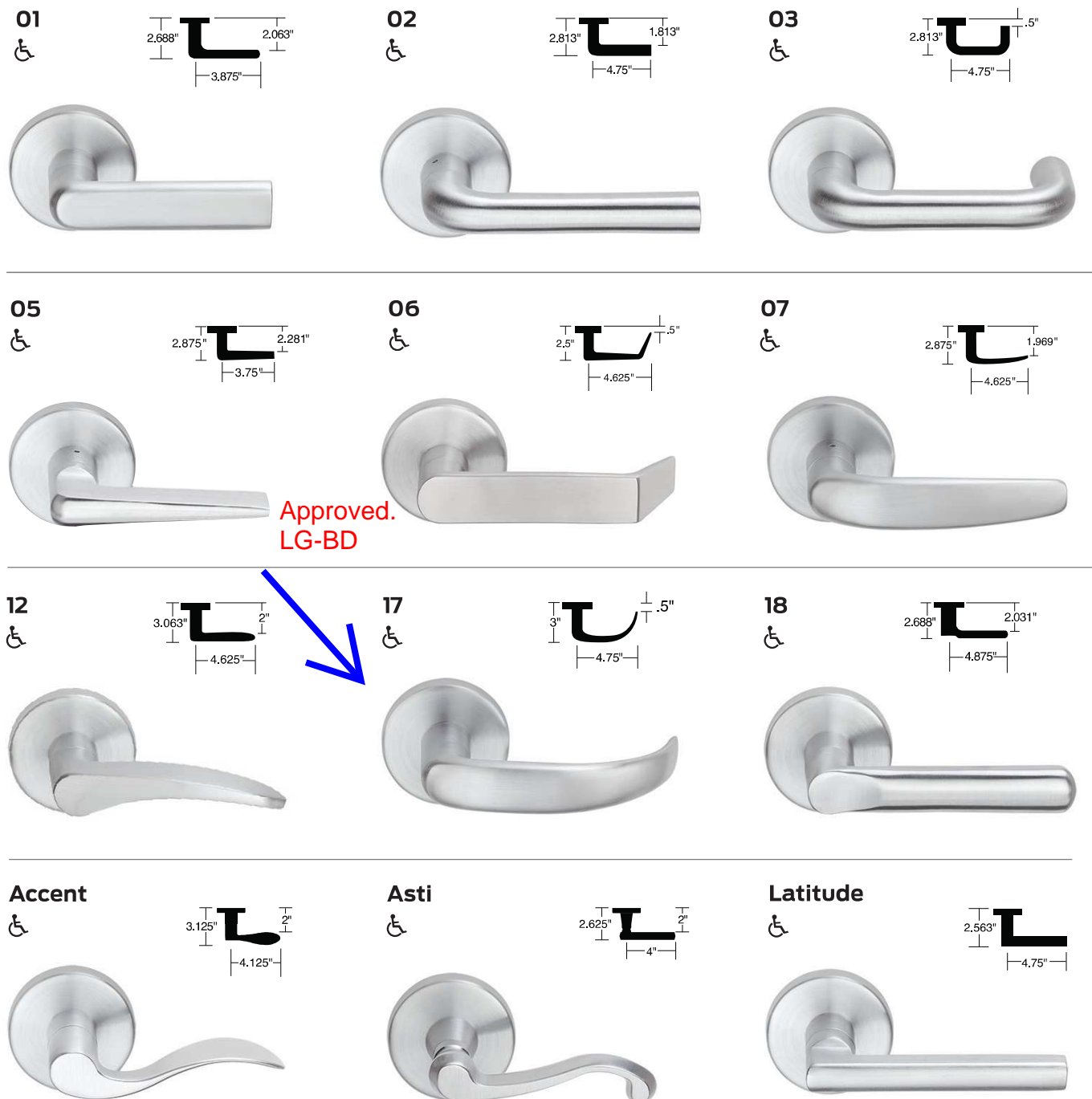
Three locking points provide added layer of protection and security

Suites visually with Schlage L Series and Von Duprin trim for design continuity

Designs and finishes

The Standard Collection

The Standard Collection levers can be paired with exit devices and locks from our trusted Schlage and Von Duprin brands. And, they are built to the same exacting standards. Our Standard Collection levers offer a more traditional style that is appropriate for use in a number of commercial applications.



Note: Levers shown with Schlage L Series mortise "A" rose. Knobs shown with rose that is unavailable in the L Series. Additional rose and escutcheon designs available.

Trim and special accessories

Escutcheons and roses

Three escutcheons and five roses are available to help to match the design and performance needed for your application.

Escutcheons



L full face

Specify by adding 'L' after lever design.

Material: Cold-forged brass, bronze or stainless steel

Finishes: 605, 606, 609, 612, 613, 619, 622, 625, 626, 629, 630, 643e

Size: 8" x 1 3/4" x 7/16"
(203 mm x 44 mm x 11 mm)



L concealed

Specify by adding 'C' suffix to function and by adding 'L' after lever design.

Material: Cold-forged brass, bronze or stainless steel

Finishes: 605, 606, 609, 612, 613, 619, 622, 625, 626, 629, 630, 643e

Size: 8" x 1 3/4" x 7/16"
(203 mm x 44 mm x 11 mm)



N full face

Specify by adding 'N' after lever design.

Material: Heavy wrought reinforced brass, bronze or stainless steel

Finishes: 605, 606, 609, 612, 613, 619, 622, 625, 626, 629, 630, 643e

Size: 8" x 2 9/16" x 7/16"
(203 mm x 65 mm x 11 mm)

Approved.
LG-BD

Roses



A rose

2 1/8" (54 mm) diameter

Available for use on L Series knob and lever designs. Specify by adding 'A' after lever design

Finishes: 605, 606, 609, 612, 613, 619, 622, 625, 626, 629, 630, 643e



B rose

2 9/16" (65 mm) diameter

Available for use on L Series knob and lever designs. Specify by adding 'B' after lever design.

Finishes: 605, 606, 609, 612, 613, 619, 622, 625, 626, 629, 630, 643e



C rose

2 5/8" (66 mm) diameter

Available for use on L Series knob and lever designs. Specify by adding 'C' after lever design.

Finishes: 605, 606, 609, 619, 622, 625, 626, 629, 630, 643e



AVA rose

2 5/8" (66 mm) diameter

Available for use on ACC lever, other levers upon request.

Finishes: 605, 606, 609, 619, 622, 625, 626, 643e



MER rose

2 5/8" (66 mm) diameter

Available for use on MER lever, other levers upon request.

Finishes: 605, 606, 609, 619, 622, 625, 626, 643e

Thumbturns and indicators

Choose from these variations of thumbturn locks that help you meet the demands of specialized projects.

Thumbturns



Standard turn
09-509



ADA turn
09-509 x L583-363
Available with all thumbturn-function L Series locks except L9463 and L463



Coin turn
L283-124
For lock functions L9044 and L9444 with rose trim.



Emergency button
K510-330
For lock functions L9040 and L9440



Ligature resistant turn
09-029



Cylinder turn
09-90x
For L463 and L9463 classroom function deadlocks

Indicators

The 180 degree visibility indicator offers unparalleled visibility and flexibility. The unique features of the indicator make it ideally suited for classroom security applications as well as traditional occupied/vacant applications.

- 2" x 1/2" display for easy viewing at a distance
- 180° window for visibility at any angle
- High-mount placement for quick assessment
- High contrast colors for ease of reading
- Available for over 30 functions, inside or outside of door (see Functions section for availability)
- Retrofit kit allows indicator upgrades to already installed L Series mortise locks
- Indicator text available in English or French

N escutcheon indicators



Cylinder



Thumbturn



Cointurn



Emergency key

Sectional indicators



Cylinder



Thumbturn



Cointurn



Emergency key

Approved.
LG-BD

	LOCKED UNLOCKED	OCCUPIED VACANT	DO NOT DISTURB	
Inside trim	L283-711	L283-712	L283-713	L283-714
Outside trim	L283-721	L283-722	L283-723	L283-724

Legacy indicator

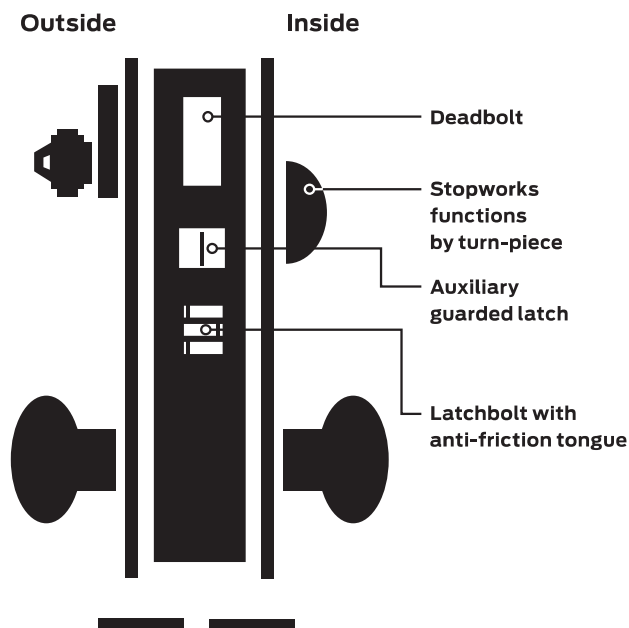


Hotel occupancy indicator
09-611

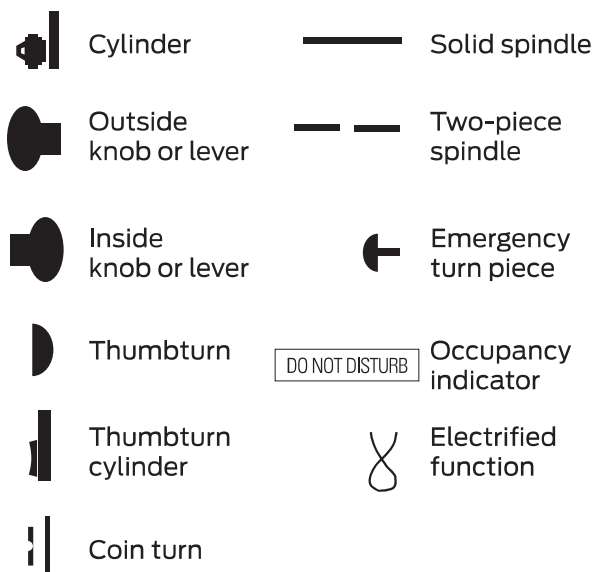
For lock function L9486P, used with A or B roses on section trim. Three available messages: "OCCUPIED", "DO NOT DISTURB" or "LOCKED".

L Series mechanical lock functions

Legend



Key

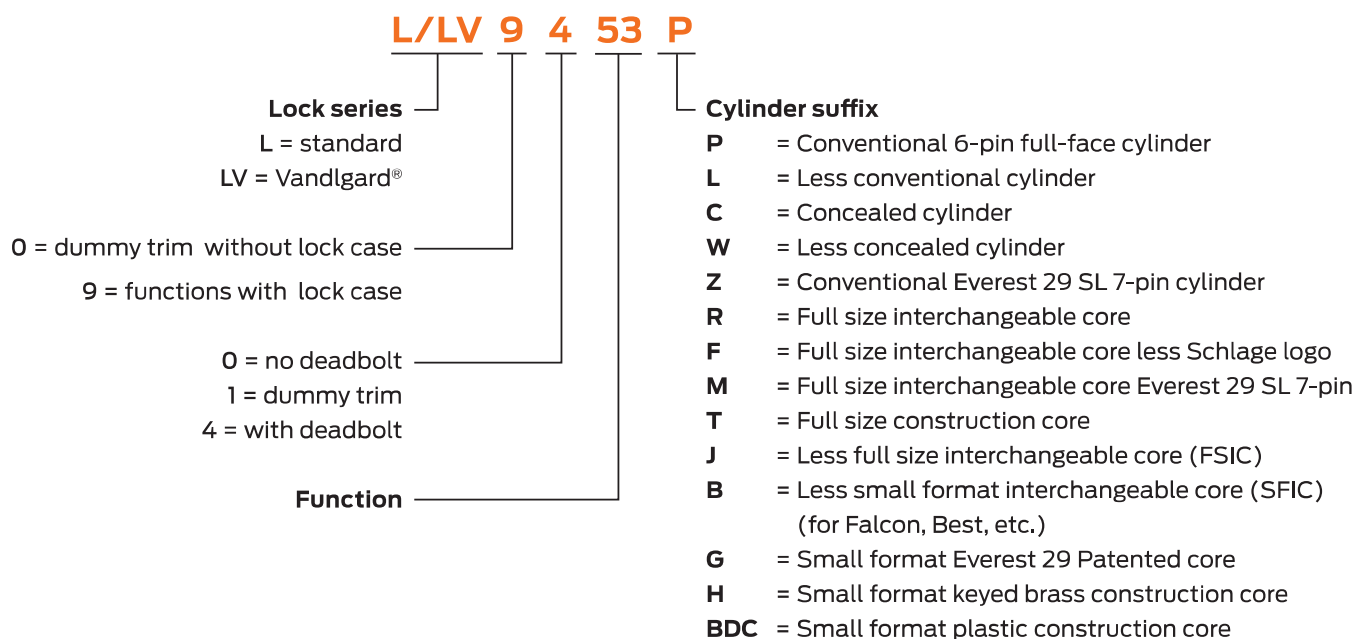


LV Vandlgard function allows exterior lever to rotate freely down, while remaining securely locked.





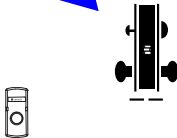
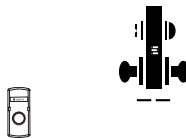


180 degree messaging indicator available. See options section in price book for details.

Product identification guide



L Series mechanical lock functions

Non-keyed functions

<p>Schlage L9010</p> <p>ANSI F01</p> <p>Passage latch</p> <ul style="list-style-type: none"> • Latchbolt retracted by lever/knob from either side at all times • Inside lever always free for immediate egress 	<p>Schlage L9025</p> <p>ANSI F31</p> <p>Exit lock</p> <ul style="list-style-type: none"> • No outside trim • Inside lever always free for immediate egress 	<p>Schlage L9040 LV9040</p> <p>ANSI F22</p> <p>Bath/bedroom privacy lock</p> <ul style="list-style-type: none"> • Latchbolt retracted by lever/knob from either side unless outside lever is locked by inside thumbturn • Actuating inside lever or closing door unlocks outside lever • To unlock from outside remove emergency button, insert emergency thumbturn in access hole and rotate • Inside lever always free for immediate egress <p>Approved LG-BD</p> 	<p>Schlage L9044 LV9044</p> <p>ANSI —</p> <p>Privacy with coin turn outside</p> <ul style="list-style-type: none"> • Latchbolt retracted by lever/knob from either side unless outside lever is locked by inside thumbturn or outside coin turn • Actuating inside lever, closing door, or rotating outside coin turn unlocks outside lever 
<p>Schlage L9440 LV9440</p> <p>ANSI F19</p> <p>Privacy with deadbolt</p> <ul style="list-style-type: none"> • Latchbolt retracted by lever/knob from either side • Deadbolt actuated by inside thumbturn • Throwing deadbolt locks outside knob/lever • Inside lever retracts both deadbolt and latchbolt and unlocks outside lever • To unlock from outside remove emergency button, insert emergency thumbturn in access hole and rotate • Inside lever always free for immediate egress 	<p>Schlage L9444 LV9444</p> <p>ANSI —</p> <p>Privacy with deadbolt and coin turn outside</p> <ul style="list-style-type: none"> • Latchbolt retracted by lever/knob from either side • Deadbolt actuated by inside thumbturn or outside coin turn • Throwing deadbolt locks outside knob/lever • Inside lever retracts both deadbolt and latchbolt and unlocks outside lever • Rotating coin turn retracts deadbolt and unlocks outside lever • Inside lever always free for immediate egress 		

25-R Series

Rim device

Panic exit hardware

The Falcon 25-R Series rim device meets the demanding requirements of high traffic installations with a single-point, rim type latch and a streamlined touch bar design. This device can also be electrified for maximum ease of use and accessibility.



299 Strike



2789
Dogging key



Cylinder dogging

Single door application

Device	Door size	Door strike	Door stile (in)	Min door opening width
25-R	3'	299	4"	2' 7 1/2"
		264	3 7/8"	2' 7 3/8"
		1439	3 1/4"	2' 6 3/4"
		1606	3 5/8"	2' 7 1/8"
25-R	4'	299	4"	3' 1 1/2"
		264	3 7/8"	3' 1 3/8"
		1439	3 1/4"	3' 3/4"
		1606	3 5/8"	3' 1 1/8"

Double door application

Device	Door size	Strike x mullion	Door stile (in)	Min door opening width
25-R	3'	299 x 2923	4 1/8"	2' 7 1/2"
		299 x 4023	4 3/8"	2' 7 1/2"
		264 x 2923	4"	2' 7 3/8"
		264 x 4023	4 1/4"	2' 7 3/8"
		1439 x 2923	3 7/8"	2' 7 1/4"
		1439 x 4023	4 1/8"	2' 7 1/4"
		1606 x 2923	4 1/4"	2' 7 1/8"
		1606 x 4023	4 1/2"	2' 7 1/8"
25-R	4'	299 x 2923	4 1/8"	3' 1 1/2"
		299 x 4023	4 3/8"	3' 1 1/2"
		264 x 2923	4"	3' 1 3/8"
		264 x 4023	4 1/4"	3' 1 3/8"
		1439 x 2923	3 7/8"	3' 1 1/4"
		1439 x 4023	4 1/8"	3' 1 1/4"
		1606 x 2923	4 1/4"	3' 1 1/8"
		1606 x 4023	4 1/2"	3' 1 1/8"
25-Vx 25-R	3'	1609	3 1/2"	2' 7 5/8" for 3 1/2" Min stile
25-Vx 25-R	4'	1609	3 1/2"	3' 1 5/8" for 3 1/2" Min stile

Specifications

Hand:	Non-handed
Finishes:	US3 (605); US4 (606); US10 (612); US11 (643e); US15 (619); US19 (622); US26 (625); US26D (626); US32 (629); US32D (630); US28 (628), 313AN (710) (see page 17 for finishes)
Strikes:	299 strike standard (see page 15 for additional info)
Latchbolt:	Stainless steel, 3/4" throw
Deadlocking latchbolt:	Standard
Dogging feature:	Half turn hex dogging standard. No threaded parts to wear out.
Cylinder dogging:	Specify "CD" prefix. Uses 1 1/8" long mortise cylinder with standard cam.
Stock sizes:	See chart to left. Cut to size in the field.
Doors:	1 3/4" thick, wood or metal. Specify thickness if other than 1 3/4".
Projections:	2 3/4" maximum, 2" dogged.
Mounting height:	40 1/4" from CL to finished floor.
Electric functions:	Can be interfaced with building security systems. Latch retraction, FSA/FSE trim, security monitoring, delayed egress and exit alarm available (EL fail-secure only). Subject to code requirements, state and local (see pages 33-40 for details).
Fasteners:	All mounting screws are concealed, sheet metal screws and machine screws standard.
Sex bolts:	Recommended when device is used with hollow core wood, composite or light gauge hollow metal doors. For EO device, specify 8 - 425 (#10-24) SNB. For devices with trim, specify 2 - 425 (#10-24) SNB.
ANSI:	Certified ANSI A156.3-2001 grade 1 standards.
Center case & working parts:	Center case is heavy wrought and sintered metal parts.
Shim kits:	For glass lite applications; 1/4" thick, specify SK25-RM.
579 Strike retrofit kit:	Consult factory.

F-25-R Series

Rim device

🔥 Fire exit hardware

The Falcon F-25-R Series rim device combines sleek styling and durability with the protection of a fire-rated device. The F-25-R also features a single-point, rim type latch and can be electrified.



299F Strike



499F Strike



Single door application

Device	Door size	Door strike	Min stile (in)	Min door opening width
F-25-R	3'	299-F	4"	2' 7 1/2"
F-25-R	4'	299-F	4"	3' 1 1/2"

Double door application

Device	Door size	Door strike	Min stile (in)	Min door opening width
F-25-R	3'	499-F x F-4023	4 1/2"	2' 7 5/8"
F-25-R	4'	499-F x F-4023	4 1/2"	3' 1 5/8"

Specifications

Hand:	Non-handed
UL:	"A" label (3 hr.); 4'0" x 8'0"; 8'0" x 8'0" with F-4023 mullion. "B" label (1 1/2 hr.); 8'0" x 8'0"; with KRF4023.
Finishes:	US3 (605); US4 (606); US10 (612); US11 (643e); US15 (619); US19 (622); US26 (625); US26D (626); US32 (629); US32D (630); US28 (628), 313AN (710) (see page 17 for finishes)
Strikes:	299F strike standard. 499F standard for pairs with mullion.
Latchbolt:	Stainless steel, 3/4" throw
Deadlocking latchbolt:	Standard
Stock sizes:	See chart to left. Cut to size in the field.
Doors:	1 3/4" thick, wood or metal. Specify thickness if other than 1 3/4".
Projections:	2 3/4" maximum.
Mounting height:	40 1/4" from CL to finished floor.
Electric functions:	Can be interfaced with building security systems. Latch retraction, FSA/FSE trim, security monitoring, delayed egress and exit alarm available (EL fail-secure only). Subject to code requirements, state and local (see pages 33-40 for details).
Fasteners:	All mounting screws are concealed, sheet metal screws and machine screws standard.
Sex bolts:	Required for use in EO applications when used with wood, composite or non-reinforced hollow metal doors. For EO device, specify 8 - 425 (#10-24) SNB. For devices with trim, specify 2 - 425 (#10-24) SNB.
ANSI:	Certified ANSI A156.3-2001 grade 1 standards.
Center case & working parts:	Center case is heavy wrought and sintered metal parts.
Shim kits:	For glass lite applications; 1/4" thick, specify SK25-RM.

25 Series

Trim designs

Approved.
LG-BD

Functionality built into the trim, facilitating easy door preps, easy field retrofit and easy ordering.

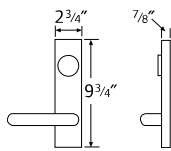
Lever trims (510L)



510L
510L-NL



510L-DT
510L-BE



Approved.
LG-BD

Lever designs



Avalon (AVA)
Projection 3 1/4"



Quantum (QUA)
Projection 3 1/4"



Dane (DAN)
Projection 3"



Broadway (BRW)
Projection 3 1/5"



Boardwalk (BRK)
Projection 3 1/5"



Danish (DSH)
Projection 2 9/16"



Latitude (LAT)
Projection 3 1/16"



Longitude (LON)
Projection 3 1/16"



Sutro (SUT)
Projection 3 1/4"

All levers return to within 1/2" of door.

Escutcheon: 9 3/4" (H) x 2 3/4" (W) (specify handing) brass finish.

Protected by easily replaceable shear pin.

Lever is reversible, supplied RHR if not specified. For keyed functions, see page 14 for cylinder requirements.

Vandal - resistant lever trims (511L)



Provides resistance to rotation, making damage of trim due to attack from the outside less likely.

Designed to operate normally after vandalism attempts without the need for maintenance personnel intervention.

- Heavy duty, vandal-resistant, ANSI A156.3 grade 1 security trim
- Lever deflects up to 22 ft-lb for a minimum of 10,000 vandal-resistant cycles
- Vandal resistance is present in both lever rotation directions
- After lever is fully deflected, lever stops rotating and a shear pin breaks at 70 ft-lb to prevent damage to unit
- Available on 25 rim, vertical, mortise, and concealed devices
- Retrofits all existing 25 trim without additional door prep
- Works with all electric lock and unlock functions
- Available in all finishes and lever designs including Avalon, Boardwalk, Broadway, Dane, Danish, Latitude, Longitude, Sutro, and Quantum

Pull trims (512)



512TP



512NL



512DT



512TP-BE



717DT

Escutcheon: 16" x 2 3/4"

Grip: 6 1/4" C-C

Projection: 2 11/16"

Brass

For keyed functions, see page 14 for cylinder requirements.

Delta (717)

Knob trims (513K)



513K-DT
513K-BE



513K
513K-NL

Round ball knob

Escutcheon: 9 3/4" x 2 3/4"

Projection: 4"

Brass

For keyed functions, see page 14 for cylinder requirements.

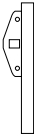























Cylinder only (NL-OP)

Key retracts latch bolt.
Cylinder sold separately
(see page 14).

25 Series

Types and functions

This page shows all 25 Series device and trim functions.

	Rim device ANSI type 1	Vertical rod device ANSI type 2	Mortise lock device ANSI type 3	Concealed vertical rod device ANSI type 8
Functions (ANSI)	(F)-25-R	(F)-25-V	(F)-25-M	(F)-25-C
EO (01) Exit only, no trim.				
	25-R-EO	25-V-EO	25-M-EO	25-C-EO
DT (02) Entrance by trim when actuating bar is locked down.				
	25-R-DT	25-V-DT	25-M-DT	25-C-DT
NL (03) Entrance by trim when latchbolt is retracted by key. Key removable only when locked.				
	25-R-NL	25-V-NL	25-M-NL	25-C-NL
TP (05) Entrance by thumbpiece. Key locks or unlocks thumbpiece.				
	25-R-TP	25-V-TP	25-M-TP	25-C-TP
L or K (08) Entrance by knob or lever. Key locks or unlocks knob.				
	25-R-L/K	25-V-L/K	25-M-L/K	25-C-L/K
L(NL) or K(NL) (09) Entrance by knob or lever only when released by key. Key removable only when locked.				
	25-R-L/K(NL)	25-V-L/K(NL)	25-M-L/K(NL)	25-C-L/K(NL)

25 Series

Accessories and options



F-4023 Shown

Removable mullion

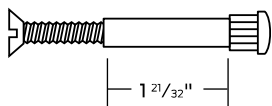
- The ~~2923~~, F4023, 4023, KRF-4023 and KR-4023 steel mullions are for use with the 25-R devices on double door openings.
Advantage: Increased security and tighter closure. Minimizes door warpage and sag. Regulates the flow of in-and-out traffic
- Falcon removable mullions are easily removed and reinstalled for full width access
- Rim devices are used on both leaves, attaining a perfectly symmetrical opening
- The mullion assembly consists of a mullion, top and bottom mounting brackets and a screw pack
- The F4023 and KRF-4023 fire-rated mullions also include four stabilizer blocks as required for labeled installations
- Strikes are not furnished with the mullion. Please see page 15 for strike information
- Mullions may be cut on the job for doors under stock lengths
- KR Mullions require 1 1/4" mortise cylinder with standard A cam

Mullion features

- Mullion fittings - ductile iron
- F4023, 4023, KRF-4023 and KR-4023 - 2" x 3" x height
- ~~2923~~ mullion - 1 1/2" x 2 1/2" x height
- Prime coat only
- 7' or 8' door opening standard, other door opening as specified

Cylinders

- Cylinder supplied only when specified
- Cylinders keyed different



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Sex bolts

- 325 (1/4"-20 thread)
- 425 (#10-24 thread)

Dummy touch bars

- Active and Inactive models only. Active model offered with RX or RX/KOR. Consult factory for details
- To order, specify 250DT X finish, or 250DT X finish X active touch bar

(F)25-R Double door application

Strike	Installed with mullion	Min stile	B*
299	2923	4 1/8"	3"
299	4023	4 3/8"	3 1/4"
499-F	F-4023	4 1/2"	3 5/16"
264	2923	4"	2 7/8"
264	4023	4 1/4"	3 1/8"
1439	2923	3 7/8"	2 3/4"
1439	4023	4 1/8"	3"
1606	2923	4 1/4"	2 5/8"
1606	4023	4 1/2"	2 7/8"
1609	Surface 25-V	4"	2 3/8"

Cylinder reference

Device	Trim	Standard key cylinder	IC key cylinder
25 Series device	Cylinder dogging	985 - 1 1/8" Mortise cylinder	C987 - 1 3/8" Mortise cylinder (Blocking ring plus security collar must equal 1/4" thick)
25 Series device Rim & surface vertical	Cylinder only (NL - OP)	951- Rim cylinder	953 - Rim cylinder
25 Series device Moortise	Cylinder only (NL - OP)	* 986 - 1 1/4" Mortise cylinder	** C987 - 1 3/8" Mortise cylinder
25 Series trims	L, K, TP, NL	986 - 1 1/4" Mortise cylinder	C987 - 1 3/8"
264	4023 mullion	4 1/4"	3 1/8"

*Cylinder must be spaced off of the door a minimum of 1/4" via a recessed blocking ring

** Cylinder must be spaced off of the door a minimum of 3/8" via a recessed blocking ring.

25 Series

Strikes and accessories

Strikes

For rim devices



264
2 7/8" x 1 1/4" x 9/16"
(H x W x D)
Panic device only.



299
7 7/8" x 1 1/4" x 13/16"
(H x W x D)
Panic device only.



299F
2 7/8" x 1 1/4" x 13/16"
(H x W x D)



499F
3 5/8" x 1 1/2" x 16/16"
(H x W x D)



1439 Blade stop
1 3/4" x 1 7/8" x 1/2"
(H x W x D)
Panic device only.



1606
2 7/8" x 1 3/8" x 3/8"
(H x W x D)
Panic device only.



1609
3 1/4" x 1 1/16" x 3/8"
(H x W x D)
Requires coordinator.
Panic device only.

For surface and concealed vertical rod devices



2130
(F)25-V and (F)25-C
standard bottom strike for
grouting into concrete or
masonry floors.



3788
Furnished top
of (F)25-V.



4155
Optional strike.
Panic device only.



4188
Top strike for
(F)25-C.

For mortise lock devices



1279
Closed strike used on
single doors and on fire
exit hardware doors with
coordinator.

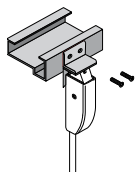


F1280
Open back strike used on pairs of
1 3/4" doors without astragal or
coordinator. Can be used on stock
hollow metal doors. F1280 "B" label
(1 1/2 hr.) stainless steel strike
available.



1281
Open back strike for 1 3/4" doors.
8" x 1 1/4" face allow use in
mortise lock cutout of stock
hollow metal door.

Accessories



4215
Angle bracket for flush transom applications.
Does not require elimination of latch retention
feature. Accepts 3788 strike for 25-V device.

Surface vertical extension rods

Extension rods are
available in 12", 24"
and 36" lengths in
all finishes. Both
ends tapped and
all-thread included
as connector.

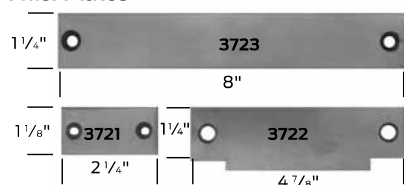


Concealed extension rods

Extension rods are
available in 12", 24"
and 36". Both ends
have pressed-in,
threaded inserts.



Filler Plates



3721/ 3722/ 3723
Steel filler plates

3721 Cylindrical lock front filler
3722 Strike filler - set no. SC for 161 cutout
3723 Mortise lock front filler
3722 Strike filler - set no. SM for 86 cutout

Device monitoring

Device monitoring for most 24 and all 25 Series devices*

All of the monitoring features available from Falcon provide total flexibility and will interface with any security system. All monitoring switches are dry contact type and are contained within the device, allowing for tamper-resistant operation. Security monitoring features allow monitoring of devices, latches, authorized egress and locking levers. A key override option is available. All of the security monitoring features can be used in any combination with any other Falcon feature. Consult factory for special applications.

*DM, *LM, RX Monitoring

- The DM (device monitor) feature monitors full latch projection. If the latchbolt is retracted by use of device, or someone tampers with the latchbolt, the switch is activated sending a signal to controlling areas. In devices with the deadlock feature, the deadlatch status is monitored.
- The LM (Latch monitor) feature monitors full latchbolt retraction. When the latchbolt is fully retracted a signal is sent indicating door (or device) opened status.
- The RX feature monitors the depression of the touch bar or crossbar. Activation of the switch indicates use of a door or that the door is in the dogged condition. This feature is especially useful when used to activate or shunt magnetic locking systems.
- *LM/DM not available on F-24-R.

How to order

To order any individual or combination of monitor feature(s) add the respective prefix(s) to device designation. (example: EL-RX-DM-25-V-L-DANE)

Key override option (KOR)

The KOR feature allows authorized personnel to override monitoring features on a door by use of a keyed 1 1/8" mortise cylinder with 5/16" wide x 3/4" long standard cam (mortise cylinder not supplied).

Activating KOR feature allows any feature to be disabled for daytime use or when desired by key holder. This is a maintained contact switch. KOR is especially useful for turning on or off magnetic locking systems and electric dogging control (at the door).

This feature is not available with EA feature, cylinder/standard dogging.

To order KOR feature add KOR prefix to device designation. (example: KOR-DM-24-R-TP)

Note: Use of these features may require a power transfer hinge (supplied by others) or additional wires in the power transfer hinge needed for application when combined with other electrified features.

How to order

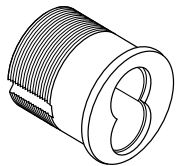
25 Series

		EL	F	25	V	L-DANE	US3	3'	LHR	LBR	SNB	WD
Prefixes												
CD	Cylinder dogging											
RX	Touchbar request to exit											
DM	Latchbolt and device monitor switch											
EA	Exit alarm											
KOR	Key bypass switch											
LD	Less dogging											
LM	Latchbolt status switch											
EL	Electric latch retraction											
FSA	Electric lock or unlock trim-fail safe											
FSE	Electric lock or unlock trim-fail secure											
Rating												
F	Fire exit hardware											
Blank	Panic exit hardware											
Device series												
25	Touch bar device, wide stile											
Device type												
R	Rim											
V	Surface vertical rod											
C	Concealed vertical rod											
		C-WDC	Concealed vertical rod wood door (20 or 90 min)									
		M	Mortise									
Trim function (see trim pages for all functions)												
EO	Exit only											
DT	Dummy trim											
NL	Night latch											
NL-OP	Night latch optional pull											
TP	Thumbpiece											
		K	Knob									
		L	Lever (Dane standard)									
		C	Cylinder prim plate									
		511-L	VR trim									
Finish												
US3	US10	US11	US15	US19	US26							
US32	US28	US4	US26D	US32D	313AN							
Door width												
3'	Standard default											
4'												
Door thickness												
	1 3/4" Standard											
	2 1/4" Optional											
Handing												
RHR	Right hand reverse											
LHR	Left hand reverse											
Less bottom rod												
LBR	Less bottom rod											
Accessories												
CYL	Cylinder	SNB	Sex bolts									
SK	Shim kit	AMS	All machine screws (for vertical and concealed only)									
Other miscellaneous door information												
HMD	Hollow metal door	—	Door thickness									
HMF	Hollow metal frame	—	Door undercut									
WD	Wood door	—	Door label									
WDF	Wood frame	—	Stile width									
ALD	Aluminum door	—	Frame stop height									
ALF	Aluminum frame	SGL	Single door									
SCDC	Steel channel door construction	PR	Pair of doors swinging same direction									
—	Specify other door or frame											
—	Material information											
—	Door height											

Mortise cylinders

Mortise, rim and cam lock housing

Mortise, rim and cam lock for standard cylinders



Note: Specify finishes - 605, 606, 613, 626, 629, 630

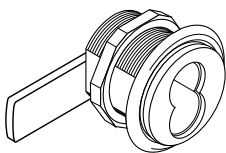
Mortise cylinder housing

Standard housings furnished with 5622-IC and hotel function housings furnished with 5622-IC. See table for product numbers.

See pages 24-25 for optional cams and pages 26-27 for collars.

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Catalog number	Length	Pins	Application
C987	1 ³ / ₈ "	6 or 7	Generic
C988	1 ¹ / ₂ "	6 or 7	Generic
C990	1 ³ / ₄ "	6 or 7	Generic
C992	2"	6 or 7	Generic
C997	1 ³ / ₈ "	6 or 7	Unassembled, less cam
C262	1 ⁵ / ₈ "	6 or 7	MA451 Hotel function RH
C265	1 ⁵ / ₈ "	6 or 7	MA451 Hotel function LH

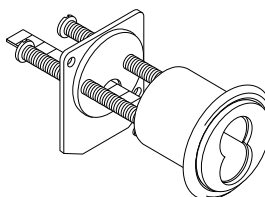


Cam lock

Key removable in locked position only. Cam rotates 360° and can be installed for right or left hand operation. Requires 1 ³/₁₆" cylinder hole and fits doors up to 1 ³/₈" thick.

C943 Specify 6 or 7-pin

Note: Specify finishes - 605, 606, 613, 626, 629, 630

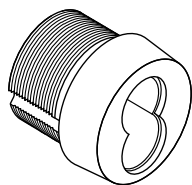


Rim cylinder housing

Horizontal tailpiece standard. May be changed to vertical orientation in the field. Furnished with collar, back plate and 12-24 break-off screws.

C953 Specify 6 or 7-pin

Note: Specify finishes - 605, 606, 613, 626, 629, 630

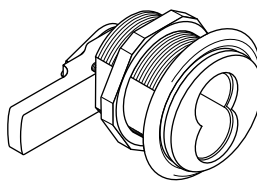


Adams rite tapered head mortise cylinder housing

Designed for proper fit without collars on narrow stile aluminum doors. Furnished with #8 Adams Rite cam.

C977 Specify 6 or 7-pin

Note: Specify finishes - 605, 606, 613, 625, 626



Cam lock - heavy cam

Includes stop washers for rigid and lazy cam operation. Field reversible for RH or LH doors by positioning of stop screw on back of housing. Requires 1 ³/₁₆" cylinder hole and fits doors up to 1 ¹/₈" thick.

C945 Specify 6 or 7-pin

Note: Specify finishes - 605, 606, 613, 626, 629, 630

How to order

Less core

Specify catalog number and finish. Example: C987 626

Complete with core

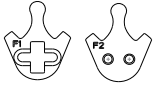
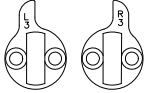
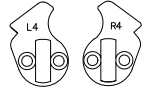
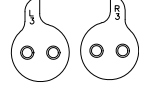
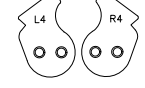
Add keyway, "WIC" and keying instructions. Example: C987 WIC A* 626 AA12

* "A" keyway standard. Falcon reserves the right to assign the keyway for new key systems.

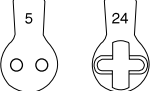
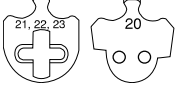
Mortise cylinders

Cams

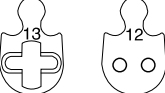
Falcon

Diagram	Lock	Reference number	Part number	For cylinder
	Falcon MA Series	F1 F2	5622-STD 5622-IC	Conventional I/C
	Falcon MA Series	L3 R3	5620-STD	Conventional, MA381 inside function
	Falcon MA Series	L4 R4	5621-STD	Conventional, MA381 outside function
	Falcon MA Series	L3 R3	5620-IC	I/C, MA381 inside function
	Falcon MA Series	L4 R4	5621-IC	I/C, MA381 outside function

Falcon exit devices

Diagram	Lock	Reference number	Part number	For cylinder
	Dogging cylinder Install cam upside down.	24 5	A09897-024-00 A12667-003-00	Conventional I/C
	Delta trim for 17C concealed vertical rod for 718 Series trim manufactured prior to July 2011	21 22 23 20	A09894-021-00 A09894-022-00 A09894-023-00 A12667-020-00	Falcon, Ilco, Lori, Schlage Arrow, Sargent & Yale Corbin Russwin I/C

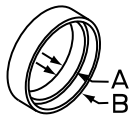
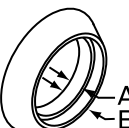
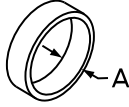
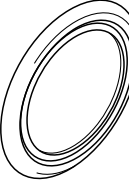
Schlage

Diagram	Lock	Reference number	Part number	For cylinder
	Schlage L Series	13 12	A09888-000-00 A12667-008-00	Conventional I/C

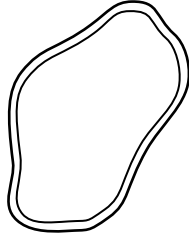
Note: Each part number indicates a package of 10 cams

Mortise cylinders

Cylinder collars (continued)

Dim. A	Dim. B	Part No.
3/32"	9/32"	A08790-000
7/32"	13/32"	A08790-001
11/32"	17/32"	A08790-002
15/32"	21/32"	A08790-003
43/64"	55/64"	A08790-004
3/32"	9/32"	A08794-000
7/32"	13/32"	A08794-001
11/32"	17/32"	A08794-002
15/32"	21/32"	A08794-003
1/8"	—	008876-000
3/16"	—	008876-005
1/4"	—	008876-001
3/8"	—	008876-002
1/2"	—	008876-003
5/8"	—	008876-004



Wave washer included.
To order separately, specify 008789-001-60

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Note: Specify part number and finish when ordering.
(e.g. A08790-000-626)

008862-000
For all rim cylinders and cam locks.
Note: Specify finishes: 605, 606, 612, 613, 625, 626

Interchangeable core

(continued)

Cores

Description: Uncombined cores are supplied without pins, springs or keys. May be keyed into A2, A3 and A4 Systems in the field. Combined cores are keyed and ready to install, and are furnished with two change keys each. A2 System standard, A4 special. See page 20 for details.

Packaging: Uncombined cores are packed 20 per box.

Finishes: Standard: 606 and 626.

Special Order: 605, 613 and 625.

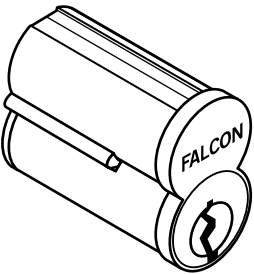
Logo: Standard - Cores and keys are supplied with the Falcon logo.

Optional: Combined cores ordered without logo are furnished with plain (non-embossed) keys.

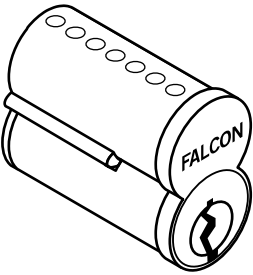
Interchangeable core

Available with Falcon style spring cover (shown) or Best® style individual pin chamber caps. See table for product numbers.

Standard cores use a single spring cover to seal pin chambers.



With Best® style capping, each pin chamber is sealed with its own individual cap.



Regular core (suffix keyway to number)

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	Uncombined		Combined	
	6-pin	7-pin	6-pin	7-pin
Standard	C646	C647	C606	C607
Best® style capping	CB846	CB847	CB806	CB807
No logo	C648	C649	C608	C609
No logo, Best® capping	CB848	CB849	CB808	CB809

Note: Specify core number, keyway and finish when ordering.

Specifications

B Series

Product specifications

ANSI/BHMA: Certified ANSI/BHMA A156.2, Series 4000, Grade 2.

UL: Listed for 3-hour fire door, A label.

Functions: 10 commercial functions available. See page 10 for details.

Finishes: 5 options available. See page 6 for finish color and comparative chart.

Door thickness: $1\frac{3}{8}$ " to 2" standard. See price book for exceptions on communicating lock functions.

Backset: $2\frac{3}{4}$ " standard. $2\frac{3}{8}$ " and 5" also available (see price book).

Mechanism: Parts constructed of brass or cold formed steel, zinc plated and dichromated for rust resistance. Springs are stainless steel.

Attachment: Lock chassis secured to door by two screws which pass through a steel rose insert inside and thread directly into the outer rose mounting assembly.

Handing: Locks are non-handed.

Cylinders: Conventional cylinder, drilled with 6-pin chambers, pinned in 5 comes standard. Pinning in 6 chambers available (at no cost) when specified. Optional 7-pin conventional and 6- or 7-pin Small Format Interchangeable Core (SFIC) cylinders. Cylinder housings and plugs machined from solid brass. Springs are phosphor bronze. Two nickel silver keys furnished standard. See SFIC cylinder information on page 8 and B Series cylinder pages for additional options.

Keyways: "G" keyway standard on conventional cylinders. "A" keyway standard on SFIC cylinders. Additional options: Falcon, Schlage and many Best and Arrow keyways.

Trim: Roses are $3\frac{1}{2}$ " diameter, heavy wrought brass or bronze, installed over steel rose inserts which are through-bolted through door. Levers are pressure cast zinc (solid levers no inserts) material finished to match mating parts.

Latches: $\frac{1}{2}$ " bolt projection. UL (3-hour, A Label) listed. Latches have self-adjusting fronts to accommodate beveled or flat doors. $2\frac{3}{8}$ " backset with $2\frac{1}{4}$ " x 1" latchfaces, $2\frac{3}{4}$ " backset with $2\frac{1}{4}$ " x $1\frac{1}{8}$ " latchfaces. Deadlocking latches have a solid round bar stock DL bar preventing latch jamming and/or lock outs.

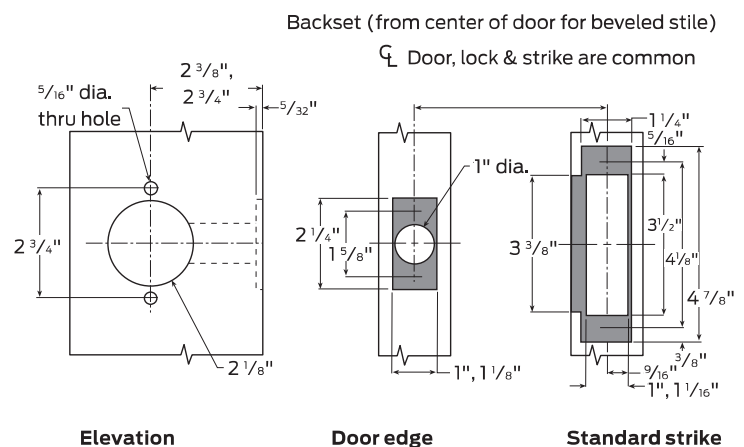
Strikes: $4\frac{7}{8}$ " x $1\frac{1}{4}$ " ANSI strike with curved lip to meet ANSI A115.2 door frame preparation standard.

Screws: Furnished with combination screws for use in wood or metal doors and frames.

Architectural specifications

Key-in-lever cylindrical locksets shall be Falcon B Series or equal and meet the following requirements:

- All locks shall meet the ANSI/BHMA A156.2, Series 4000, Grade 2 test requirements for key-in-lever locksets.
- Locksets shall be UL Listed 3-hour, A Label.
- Lever trim shall have individual heavy-duty springs for lever return and to prevent lever sag. Trim shall be through-bolted with screws coated with thread sealant to provide strength and resistance to loosening.
- Roses shall be $3\frac{1}{2}$ " diameter.
- All lever designs shall be solid (no inserts) and meet the federal ADA and state disability requirements.
- Locksets shall adjust to fit door thickness from $1\frac{3}{8}$ " to 2".
- All locksets shall be non-handed and not require field disassembly for re-handing.
- Preparation for door must be non-handed.
- Acceptable manufacturer: Falcon lock

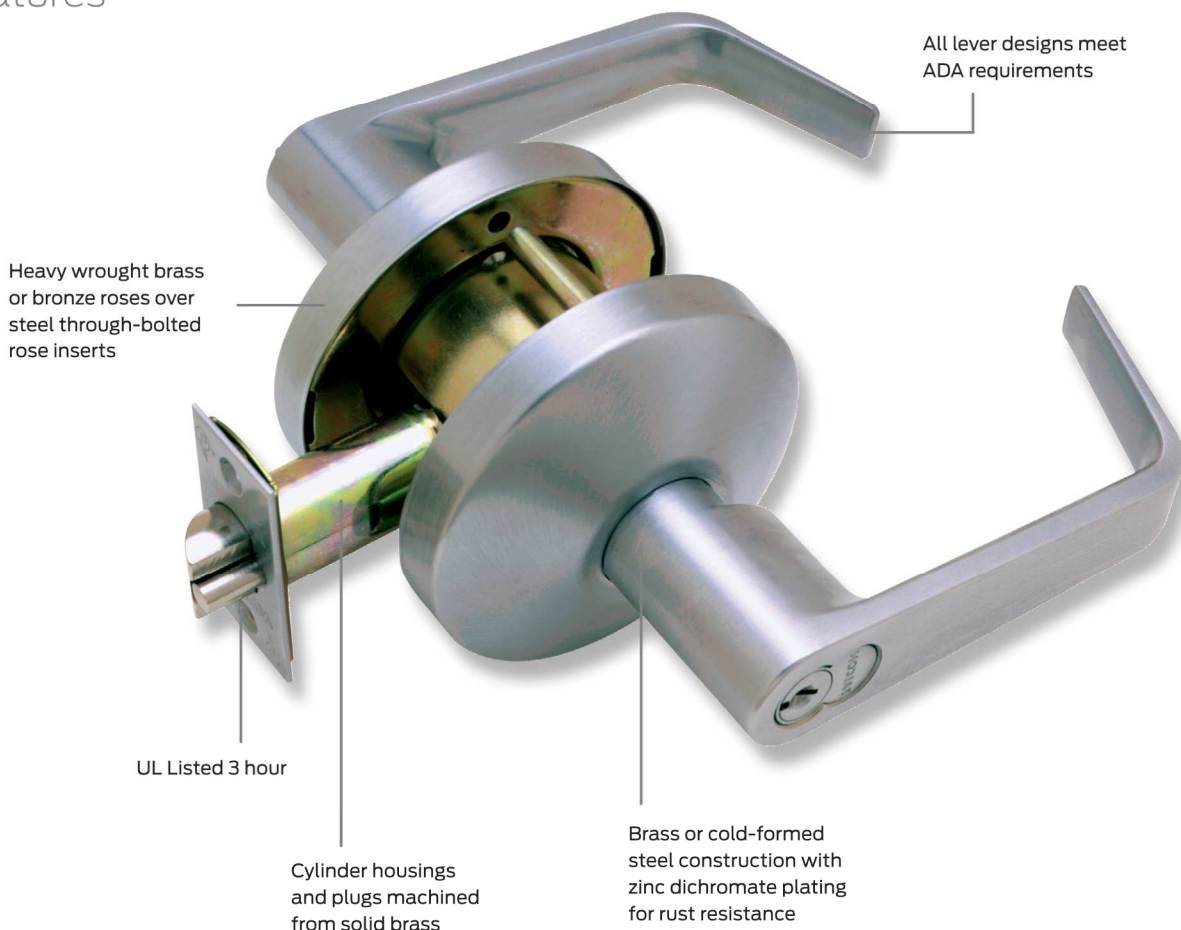


B Series

Grade 2, medium-duty cylindrical lever locks

When you need a tough, reliable lock at the right price point for a retail, industrial or multi-family project, you need a Falcon B Series lock. Our full line of Grade 2 locksets are a perfect replacement for existing locks, or a smart specification in new construction. With upgraded finishes, these locks deliver style as well as strength. Falcon B Series lock options include an interchangeable core that can be removed for quick, easy re-keying, and are compatible with SFIC products from other manufacturers. Most importantly, they're backed by one of the best names in the business.

Features



Designs and styles

Lever styles

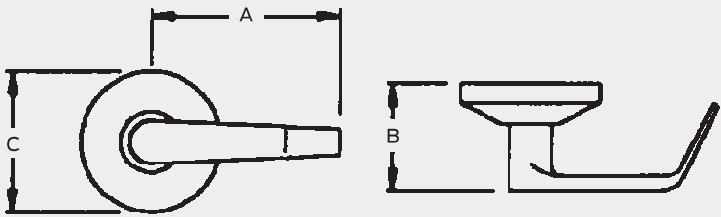
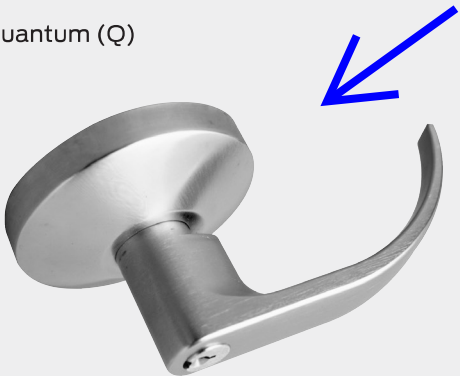
Levers are solid pressure cast zinc, finished to match mating parts. Roses are wrought brass or bronze installed over steel, through-bolted rose inserts. Levers are secured by a spring-loaded retainer. Retainer in keyed lever cannot be depressed without key.

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Dane (D)



Quantum (Q)



Lever dimensions chart

Lever	A - width	B - projection	C - rose
Dane (D)	4 5/8"	2 5/8"	3 1/2"
Quantum (Q)	4 5/8"	2 5/8"	3 1/2"

Note: Return to door meets 1/2" requirement for Dane (D) and Quantum (Q) levers.

Abrasive strip levers

All levers are available with an abrasive strip along the inside length of the lever to identify entrances that may be to areas hazardous to the handicapped. To order, preface the design code with a 6 (example: 6D for Dane). Not available on 613 finish as abrasive strip will not hold.



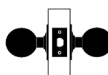















Finishes

Available in BHMA 605, 606, 613, 625, and 626. See page 6 for finish color and comparative chart.

Functions

Cylindrical and unit lock functions

These pages contain the ordering function codes for Falcon locks on a cylindrical design which includes the RU Series unit lock. A cylindrical lock, also referred to as a bored lock, is a lock in which a large hole is bored into the door face of a door and a smaller cross-bore hole is bored into the door edge. These locks fit a variety of applications and can be Grade 1 or Grade 2. The unit lock is designed specifically for retrofitting older and historical buildings where doors have an existing prep cut or drilled for an old-fashioned lock design.

	Unit	Cylindrical				
Function	Unit lock	Lever	Knob	SFIC	Name	Description
101	ANSI F36 RU 	ANSI F75 T, K, B, W ² 	W 		Passage/closet latch	Latch bolt operated by levers/knobs from either side at all times.
161		ANSI F111 B, W ² 			Communicating/ exit set	Latch bolt operated by inside lever/knob. Non-removable blank plate outside. Inside lever/knob always free for immediate egress.
201		ANSI F77 W 			Patio lock	Latch bolt operated by levers. Outside lever is locked by push button from inside. Rotating inside lever or closing door releases button and unlocks outside lever. Inside lever always free for immediate egress.
291		T 			Privacy hospital lock	Latch bolt operated by levers from either side. Outside lever locked by push button on inside lever. Rotating inside lever, closing door, or turning emergency release turn button on outside releases button. Inside lever always free for immediate egress.
301	ANSI F37 RU 	ANSI F 76 T, K, B, W ² 	ANSI F76 W 		Bath/bedroom privacy lock	Latch bolt operated by levers/knobs from either side. Outside locked by push button on inside lever/knob. Rotating inside lever/knob or closing door releases button. Emergency release tool used on outside unlocks door. Inside lever/knob always free for immediate egress.
341		B 			Communicating store room lock	Latch bolt operated by inside lever except when locked by key. Non-removable blank plate outside.
351		T 		Y	Closet lock	Latch bolt operated by lever/turn knob from either side except when outside lever is locked by key.
381	ANSI F45 RU 	ANSI F88 T 		Y	Classroom security lock	Latch bolt operated by levers from either side except when outside lever is locked from inside or outside by key. Unlock by key outside or by operating inside lever. Inside lever always free for immediate egress.
411	RU 	ANSI F87 T 		Y	Asylum lock ¹	Latch bolt operated by key from either side. Both levers/knobs always inoperable.
501	ANSI F41 RU 	ANSI F82 T, K, B, W 	ANSI F82 W 	Y	Entry lock	Latch bolt operated by levers/knobs from either side. Push button locking. Button on inside locks outside lever/knob until unlocked by key outside or by rotating inside lever/knob. Inside always free for immediate egress.

Function note: This lock will stay locked when the door is closed. If you want your door to unlock when it closes, please purchase the 571 function.



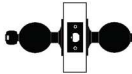




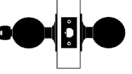


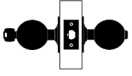


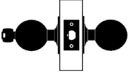

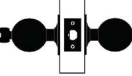






1. Caution: Double cylinder locks on residences and any door, in any structure, which is used for egress are a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.

2. W Series lock levers available with small rose.

3. In the W Series you cannot lock from outside using key, locking function inside only.

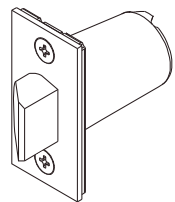
Functions

Cylindrical and unit lock functions

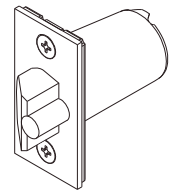
Function	Unit	Cylindrical		SFIC	Name	Description
	Unit lock	Lever	Knob			
Approved. LG-BD 511	ANSI F40/F41 RU 	ANSI F109 T, K, B, W ² 	ANSI F109 W 	Y	Entry/office lock	Turn/push button locking: Pushing and turning button locks outside lever/knob requiring use of key until button is manually unlocked. Push button locking: Pushing button locks outside lever/knob until unlocked by key or by rotating inside lever. Inside lever always free for immediate egress. Latch bolt operated by levers/knobs. Key enables only unlocking from outside.
521	ANSI F40 RU 	ANSI F81 T 		Y	Office lock	Turn button locking. Turning button locks outside lever/knob requiring use of key until button is manually unlocked. Latch bolt operated by levers/knobs. Key enables only unlocking from outside. Inside always free for immediate egress.
561	ANSI F42 RU 	ANSI F84 T, K, B, W ² 	ANSI F84 W 	Y	Classroom lock	Latch bolt operated by levers/knobs. Outside lever is locked by key in outside lever/knob. Inside always free for immediate egress.
571 (order as 611 for B Series)	ANSI F48 RU 	ANSI F90 T, K, B, W ^{2,3} 	ANSI F90 W ³ 	Y	Dormitory/ corridor lock	Latch bolt operated by levers/knobs except when locked by push button from inside. Key in outside lever/knob locks or unlocks lever/knob and releases button. Closing door releases push button. Inside always free for immediate egress. Function note: This lock will unlock when the door is closed. If you want your door to remain locked when it closes, please purchase the 501 function.
Approved. LG-BD 581	ANSI F44 RU 	ANSI F86 T, K, B, W ² 	ANSI F86 W 	Y	Storeroom lock	Latch bolt operated by lever/knob inside or key outside. Outside lever/knob is inoperable. Inside always free for immediate egress.
711		W 	W 		Apartment entrance lock	Latch bolt operated by levers/knobs. Turn/push button locking: Pushing and turning button locks outside lever/knob requiring use of a key for unlocking the door until button is manually unlocked. Push button locking: Pushing button locks outside lever until unlocked by key, by rotating inside lever, or by closing the door. Inside always free for immediate egress.
851	RU 	T 		Y	Storeroom (electrified-fail safe)	Latch bolt operated by lever from either side except when outer lever is electrically locked. When outer lever is locked (inoperable), latch bolt retracted by key in cylinder outside. Inside lever always free for immediate egress. Note: Specify 12V (.65 Amps) or 24V (.32 Amps) DC, continuous duty.
881	RU 	T 		Y	Storeroom (electrified-fail secure)	Latch bolt operated by lever inside except when outer lever is electrically unlocked, then latch bolt from either side. When locked, key in cylinder outside retracts latch bolt. Inside lever always free for immediate egress. Note: Specify 12V (.65 Amps) or 24V (.32 Amps) DC, continuous duty.
12		T, K, B, W ² 	W 		Dummy trim	Single trim, surface-mounted rigid lever/knob. Double dummy trim available for W Series (levers only).

Options

Latches



1/2" projection



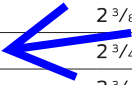
1/2" projection

Grade 1, UL listed

Specify	Backset	Function(s)	Description
57635	2 3/4"	301, 611	Square corner, 1 1/8" x 2 1/4", standard
57630	2 3/4"	301, 611	Square corner, 1" x 2 1/4"
57631	2 3/4"	301, 611	Radius corner (1/4"), 1" x 2 1/4"
57625	2 3/8"	301, 611	Square corner, 1 1/8" x 2 1/4"
57620	2 3/8"	301, 611	Square corner, 1" x 2 1/4"
57621	2 3/8"	301, 611	Radius corner (1/4"), 1" x 2 1/4"
57435	2 3/4"	All other	Square corner, 1 1/8" x 2 1/4"
57430	2 3/4"	All other	Square corner, 1" x 2 1/4"
57431	2 3/4"	All other	Radius corner (1/4"), 1" x 2 1/4"
57425	2 3/8"	All other	Square corner, 1 1/8" x 2 1/4"
57420	2 3/8"	All other	Square corner, 1" x 2 1/4"
57421	2 3/8"	All other	Radius corner (1/4"), 1" x 2 1/4"
A31727-005-00	5"	All functions	Backset extension link (use with 2 3/8" backset latches only)

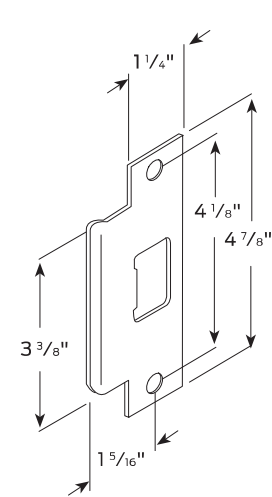
Note: Specify finish - springlatches: 605, 613 or 630; deadlatches: 605, 612, 613 or 630. All latches for B Series locks are UL listed and have a 1/2" bolt projection.

Approved.
LG-BD
Springlatch
or deadlatch

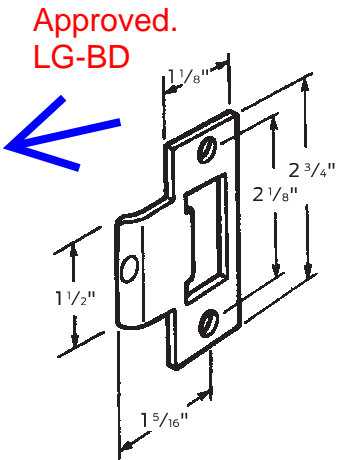


Strikes

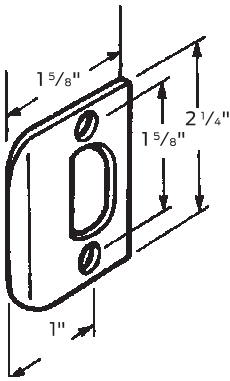
Locks furnished with a 1 1/4" x 4 7/8" ANSI Strike unless otherwise specified.
Optional 1" deep ANSI steel dust box also available. Specify 005099-000-30.



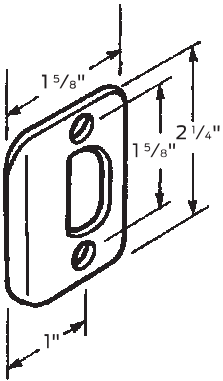
5164
ANSI prep A115.2
(standard)¹



01-046
T-strike square corner



01-049
Full lip, square corner



01-048
Full lip, 1/4" radius
corner

1. For ANSI prep with 7/8" lip length order 5161.

Ordering information

How to order

For correct ordering and to help ensure no delays in the shipment of your product, follow the information sequence below. Additional information for each category can be found on other pages of this catalog and in the Falcon price book. Deadbolt ordering information can be found on page 55.

Example: FAL-MA521P-LGN-619-LTG-218-LH

Brand		Product number			Trim				Door detail				Keyway	Hand	Other requirements
1	2	3	4	5	6	5	6		7	8	9	10	11	12	13
		Series	Func	Cylinder suffix	Outside Des	Inside Des	Fin		Latch part #	Strike part #	Door thickness ¹	Extension	Keyway	Hand ²	Examples ³
FAL	-	MA	521	P6	-	LGN	- 619	-	LTG	-	218	-		LH	
FAL	-	T	561	CP6	-	9Q	- 619	-	23981129	-		-	Schlage C	-	A23160-0KD
Defaults to factory standard if not specified.															

1. Enter door thickness if non-standard. Examples: 2 1/2" = 212; 2 1/4" = 214.

2. Specify for MA Series only.

3. Examples include: Latch height (RU Series only), competitive keyway cylinder part number, master keying requirements, Allegion Connect.

Detail

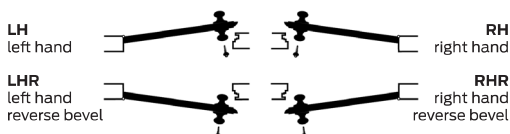
1	Brand: Falcon=FAL
2	Series: Lock series MA, T, K, B, W, RU, or H2
3	Function: Choose from cylindrical function list (page 10), MA list (page 46), and H2 list (page 51).
4	Cylinder suffix: Choose cylinder type <div> B Less SFIC BB SFIC, Best style BDC SFIC disposable construction core G¹ SFIC, Falcon style¹ </div> <div> H SFIC refundable construction core L Less 6-pin conventional cylinder J Less FSIC² (T and RU Series only) </div> <div> P 6-pin conventional cylinder (pinned to 5) P6 6-pin conventional cylinder (pinned to 6)³ P7 7-pin conventional cylinder (pinned to 7) CP6 6-pin conventional cylinder, Schlage C </div>
5	Outside/inside trim: Indicate letter of available knob or lever design followed by letter of rose or escutcheon design when appropriate. (Examples: MA and W Series have various rose and/or escutcheon options) <div> Abrasive strip tactile warning Preface the design code with 6 (Ex: 6DA for DAN). Not available in 613 finish, Latitude, Longitude, Broadway and Boardwalk levers. </div> <div> Knurled tactile warning Preface the design code with 8 (Ex: 8EG for Elite Gala). Not available on all lever styles and finishes. See MA Series section for details. </div> <div> Lead lining Preface the design code with 9 (Ex: 9DA for DAN). Not available on all lever styles. See series section for details. Available on T, RU and MA Series. </div>
6	Outside/inside finish: Choose outside finish from available options. Fill in inside finish if different.
7	Latch part number: See cylindrical product page for options. Specify only if non-standard backset is required. Specify LLL for less latch.
8	Strike part number: See product page for options. Specify only if non-standard strike is required. Specify LLL for less strike.
9	Door thickness: See product page for options. Specify only if non-standard door thickness is required.
10	Extension: Enter one of the following when door specified is 2" or greater. (EI or EO assumes the latch will be centered on a 1 3/4" door to which material has been added.) <div> EE Extended Equally EO Extended Outside </div> <div> EI Extended Inside ED Extended Differently </div>
11	Keyway: G keyway (KD) is standard when ordering P, P6 or P7 conventional cylinders; A keyway (KD) is standard when ordering BB, BDC, G or H SFIC cylinders. Other keyways available.
12	Handing: Provide handing when ordering MA Series. All cylindrical locks are field handed.
13	Additional requirements: <ul style="list-style-type: none"> Latch height when specifying RU Series locks Competitive keyway cylinders: Specify part number³ Keying detail: Blockokey or additional keys (with quantity) requests, large bow keys, master keying (Example: Grand Master keyed, Master keyed, change key, etc.) Allegion Connect

1. 6-pin standard, specify G7 if 7-pin is desired.

2. Reference T and RU Series' cylinder pages for list of compatible competitor FSIC cylinders. Note the competitive cylinder brand and model in the "Other requirements" section so that a proper tailpiece can be supplied.

3. Specify P6 and list the cylinder part number under "other requirements" if a 6-pin competitive keyway cylinder is desired (see series' cylinder pages for options).

Door handing



The hand is determined by the direction the door swings when viewed from the exterior or corridor side of the door.

Pulls, push bars and plates

Push, pull and protection plates

8200 / 8300

Push / pull plate

- 8200 Push plate
- 8300 Pull plate, prep for pull (less pull)

Specifications

Available sizes	Plates are available in .050 thick brass, stainless steel or aluminum
Material substrate	Made from aluminum, brass or stainless steel (300 Series)
Mounting hardware	<ul style="list-style-type: none"> Standard mounting package <ul style="list-style-type: none"> #6 x $\frac{5}{8}$ Oval head screws Optional TEK/TORX package <ul style="list-style-type: none"> #6 x $\frac{5}{8}$ Self-drilling, self-tapping screws #6 x $\frac{5}{8} \times \frac{5}{8}$ Torx screws
Widths and heights	<ul style="list-style-type: none"> 3" x 12" 3 $\frac{1}{2}$" x 15" 4" x 16" 6" x 16" 8" x 16"
Optional pull center to center spacing	<ul style="list-style-type: none"> For 8300 pull plates, plates are prepped with 2 $\frac{3}{8}$" holes for pull machining For holes prepped for G mounting hardware, consult customer service <ul style="list-style-type: none"> 5 $\frac{1}{4}$" 6" 8" 10" 12"
Certifications	Meets ANSI/BHMA A156.6 for J301 materials

Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Brass	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Clear Anodized	Aluminum	US28
630	Satin Stainless	Stainless steel	US32D
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of plates for back to back mounting
- Custom widths, heights, and special cut-outs are available as engineering special, consult customer service

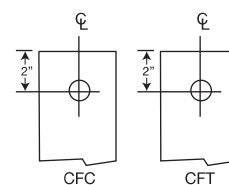
Plates cut for cylinder or thumbturns

Plates are available with cutout for cylinder or thumbturn; standard cutout is 2" from top and centered on plates up to 4" wide. For plates wider than 4" cutout is located 2" from outer edge, specify LH or RH. When pull location interferes with standard cutout location a detail drawing should be furnished with the order.

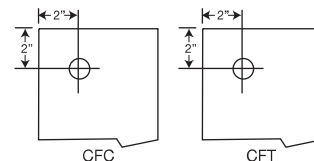
- Standard cutout is 1 $\frac{1}{4}$ " for cylinder and $\frac{3}{8}$ " for thumbturn.
- Specify CFC for cutout for cylinder or CFT for cutout for thumbturn.



For plates up to 4"



For plates greater than 4" (RH shown)



8305

Pull plate

Specifications

Material substrate	Made from aluminum, brass or stainless steel (300 Series)
Mounting hardware	<ul style="list-style-type: none"> 1/4"-20 mounting hardware Specify door thickness <ul style="list-style-type: none"> Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified Optional package available for 2" and 2 1/4" thick doors Comes standard with through bolt screws and decorative washers. Optional mounting hardware available (see general information section for details) Mounting hardware for other door thicknesses are available as engineering special, consult customer service. Standard mounting package for plate <ul style="list-style-type: none"> #6 x 5/8" Oval head screws Optional TEK/TORX package <ul style="list-style-type: none"> #6 x 5/8" Self-drilling, self-tapping screws #6 x 5/8" Torx screws Plate prepped with 2 pull mounting holes spaced at 6", 8", or 10" center to center
Widths and heights	<ul style="list-style-type: none"> 3 1/2" x 15" 4" x 16" 6" x 16"
Pull center to center spacing	<ul style="list-style-type: none"> 6" 8" 10"
Certifications	Meets ANSI/BHMA A156.06

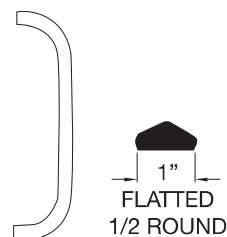
Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Brass	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Clear Anodized	Aluminum	US28
630	Satin Stainless	Stainless steel	US32D
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
643e/716	Aged Bronze	Stainless steel	643e/716
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

Note: For other colors, consult factory.

Additional information

- Plate to pull clearance is 1 1/2"
- Custom widths, heights, and special cut-outs are available as engineering special, consult customer service



SC70A Series



Falcon SC70A Series heavy duty closers are built for applications that demand reliable door control and easy maintenance. The SC70A Series closers are ANSI grade 1, ADA compliant and deliver tough performance. Choose the SC70A for interior or exterior doors in retail shops, restaurants, small offices and many other high traffic applications.

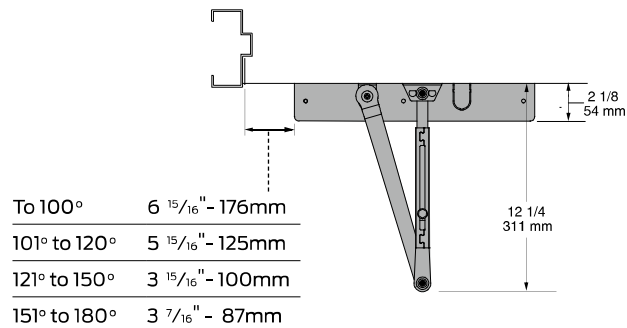
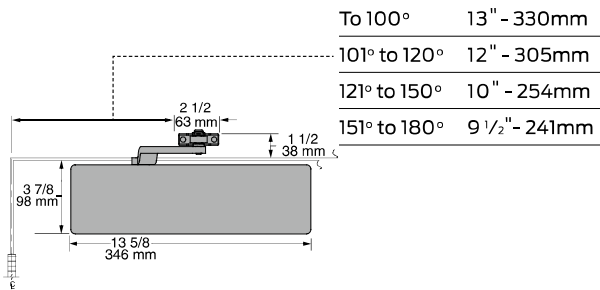
Standard features

- Fully adjustable sizes 1-6
- Separate adjustable general speed, latch speed and backcheck
- Closer mounts hinge side, top jamb or parallel arm when either the RW/PA or HW/PA arm is specified
- Non-handed for left or right swinging doors
- 1 1/2" diameter heat treated steel piston
- Double heat-treated pinion
- Universal screw pack for aluminum, hollow metal, and wood doors, includes self reaming and tapping screws
- Staked valves
- Meets ANSI A117.1
- Listed ANSI/BHMA A156.4, grade 1
- UL listed and compliant to UL10C and UBC 7-2 (1997)
- Fast and easy installation
- 10-year warranty
- Available in aluminum, brass, dark bronze, and matte black

Listings and ratings

The Falcon SC71A is UL approved and compliant with the UL 10C and UBC 7-2 (1997) fire test. Additionally, the SC71A is rated ANSI/BHMA A156.4, grade 1 and designed to meet the American Disabilities Act (ADA) and ANSI A117.1

SC70A Series hinge (pull side)



Butt hinges should not exceed 5" (127mm) in width.

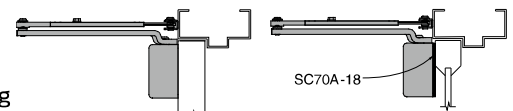
Auxiliary stop is recommended at hold-open point or where a door cannot swing 180°.

Reveal should not exceed 3/4" (19mm) for regular arm or hold-open arm.

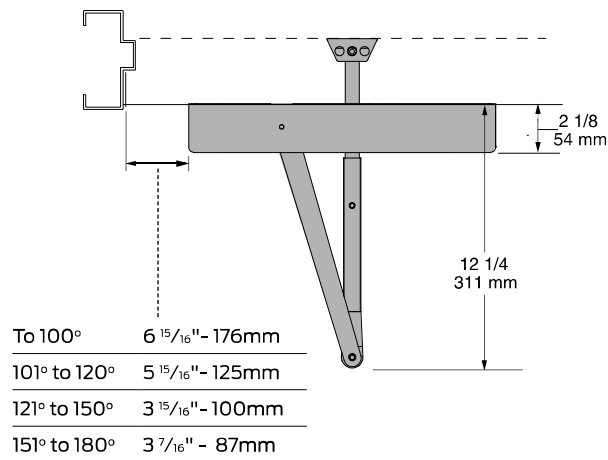
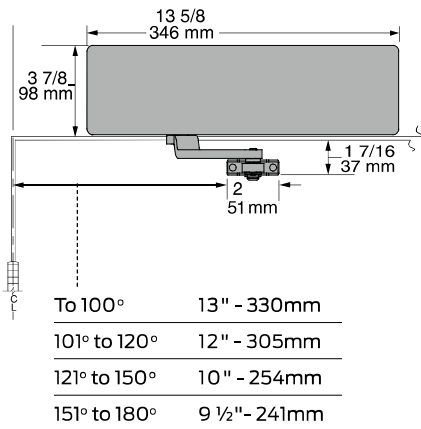
Top rail less than 3 7/8" (98mm) requires plate SC70A-18.

Clearance of 2 1/8" (54mm) behind door required for 90° installation.

Delayed action add suffix "DEL" to selected cylinder (ex. SC70A DEL). Delays closing from maximum opening to approx. 70° with adjustable delay time.



SC70A Series top jamb (push side)



Butt hinges should not exceed 5" (127mm) in width.

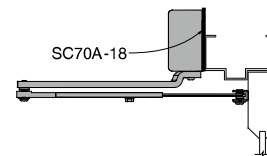
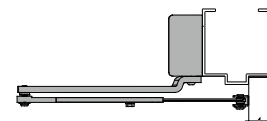
Auxiliary stop is recommended at hold-open point or where a door cannot swing 180°.

Reveal should not exceed 3 1/4" (83mm) for regular arm or hold-open arm.

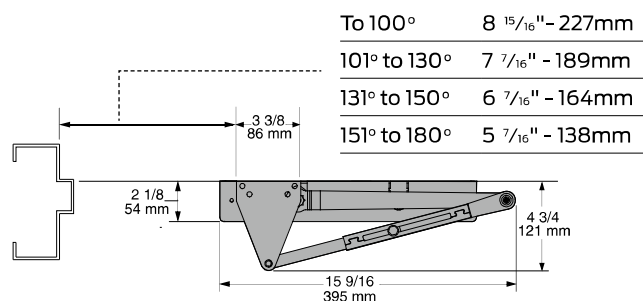
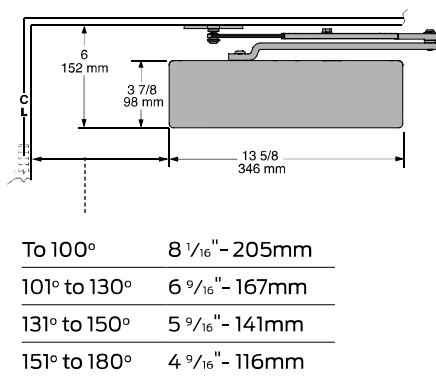
Top rail of 1 1/2" (38mm) required.

Head frame less than 3 7/8" (98mm) requires plate SC70A-18.

Delayed action add suffix "DEL" to selected cylinder (ex. SC70A DEL). Delays closing from maximum opening to approx. 70° with adjustable delay time.



SC70A Series parallel (push side)

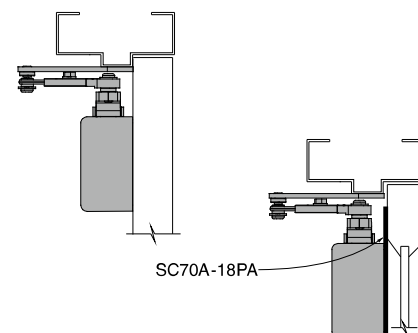


Butt hinges should not exceed 5" (127mm) in width.

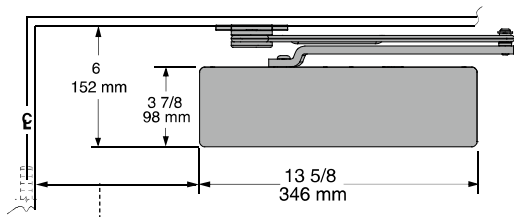
Auxiliary stop is recommended at hold-open point or where a door cannot swing 180°.

Top rail less than 6" (152mm) measured from stop requires plate SC70A-18PA.

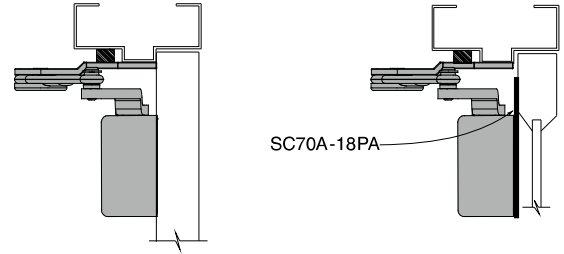
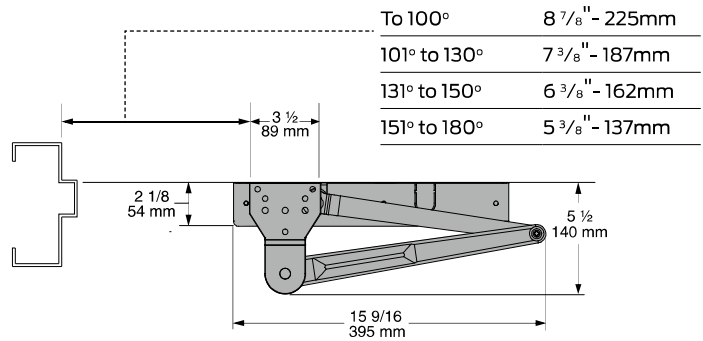
Delayed action add suffix "DEL" to selected cylinder (ex. SC70A DEL). Delays closing from maximum opening to approx. 70° with adjustable delay time.



SC70A Series heavy duty (parallel)



To 100°	8 1/16" - 205mm
101° to 130°	6 9/16" - 167mm
131° to 150°	5 9/16" - 141mm
151° to 180°	4 9/16" - 116mm



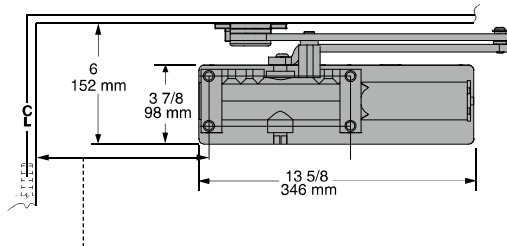
Butt hinges should not exceed 5" (127mm) in width.

Auxiliary stop is recommended at hold-open point, where a door cannot swing 180°, or where dead stop or spring-n-stop arm is not used.

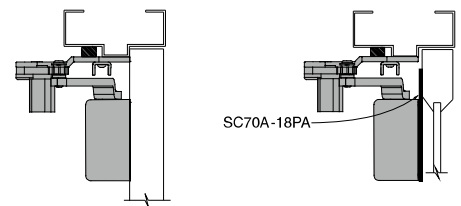
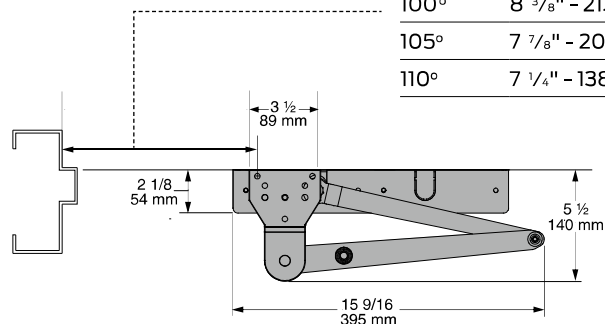
Top rail less than 6" (152mm) measured from stop requires plate SC70A-18PA.

Delayed action add suffix "DEL" to selected cylinder (ex. SC70A DEL). Delays closing from maximum opening to approx. 70°, with adjustable delay time.

SC70A Series dead stop HO (parallel)



85°	10 1/8" - 257mm
90°	9 1/4" - 235mm
95°	8 5/8" - 219mm
100°	7 7/8" - 200mm
105°	7 3/8" - 187mm
110°	6 3/4" - 171mm



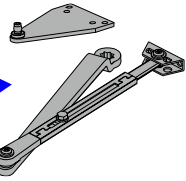
Butt hinges should not exceed 5" (127mm) in width.

Top rail less than 6" (152mm) measured from stop requires plate SC70A-18PA.

Delayed action add suffix "DEL" to selected cylinder (ex. SC70A DEL). Delays closing from maximum opening to approx. 70°, with adjustable delay time.

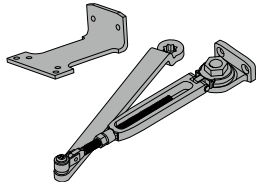
Arm types All SC70A Series closers come with full cover, standard arm and screw pack.

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LG-BD



Regular arm, SC70A-3077PA

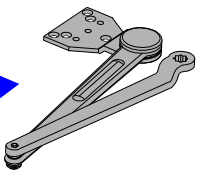
Non-handed arm with adjustable forearm assembly to accommodate a range of doors and frame reveal conditions. Mounts hinge side, top jamb or parallel arm. PA shoe included to allow installation in a parallel arm configuration.



Hold-open arm, SC70A-3049PA

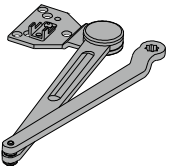
Optional, non-handed, hold open arm with adjustable forearm assembly to accommodate a range of doors and frame reveal conditions. Mounts hinge side, top jamb or parallel arm. PA shoe included to allow installation in a parallel arm configuration.

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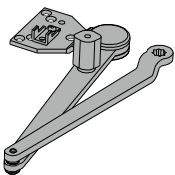
Heavy duty regular arm, SC70A-3077HD

Optional, non-handed, stamped, heavy duty, parallel arm for use in high-traffic applications.



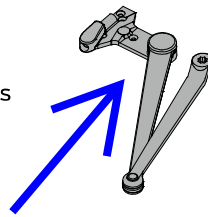
Dead stop arm, SC70A-3077DS

Optional, non-handed, stamped, heavy duty, parallel arm includes a positive mechanical stop and non-adjustable forearm assembly for high volume traffic or potentially abusive installation conditions.



Dead stop hold-open arm, SC70A-3049DS

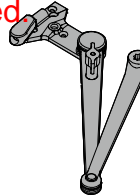
Optional, non-handed, stamped, heavy duty, hold-open parallel arm includes a positive mechanical stop and non-adjustable forearm assembly for high volume traffic or potentially abusive installation conditions. Also includes a manually selective hold-open function.



Spring-n-stop arm, SC70A-3077SS

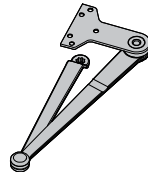
Optional, non-handed, extra heavy-duty, forged parallel arm includes an integral spring stop and non-adjustable forearm assembly for high volume traffic or potentially abusive installation conditions.

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LG-BD



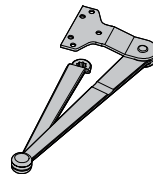
Spring-n-stop hold-open arm, SC70A-3049SS

Optional, non-handed, extra heavy-duty, forged parallel arm includes an integral spring stop and non-adjustable forearm assembly for high volume traffic or potentially abusive installation conditions. Also includes a manually selective hold-open function.



Forged arm, SC70A-3077FA

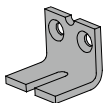
Optional, non-handed, extra heavy-duty arm with parallel arm bracket. Includes a forged steel main arm and forearm for maximum durability in high traffic and/or abusive applications. Parallel Arm (PA) bracket is a permanent feature, installation on "push" side of the door in a parallel arm type configuration is required.



Forged arm with hold open, SC70A-3049FA

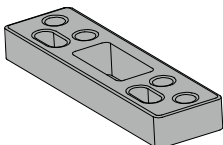
Optional, left or right handed, extra heavy-duty arm with parallel arm bracket that incorporates a hold open feature. Includes a forged steel main arm and forearm for maximum durability in high traffic and/or abusive applications. Parallel Arm (PA) bracket is a permanent feature, installation on "push" side of the door in a parallel arm type configuration is required.

Installation accessories



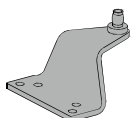
Soffit shoe support, SC70A-30

Provides anchorage for fifth screw used with soffit shoe, where reveal is less than 3 1/16" (78mm).



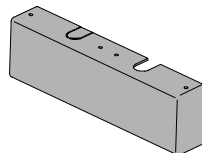
Blade stop spacer, SC70A-61

Required to lower parallel arm shoe to clear 1/2" (13mm) blade stop.



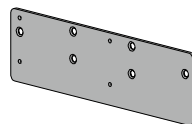
Auxiliary shoe, SC70A-62A

Requires a top rail of 7" (178mm). Optional shoe replaces PA shoe for parallel arm mounting of regular arm with overhead holder/stop.



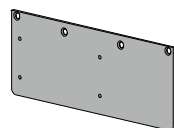
Cover, SC70A-72

Standard, non-handed, full plastic cover encloses the closer body.



Plate, SC70A-18

Required for hinge side mount where top rail is less than 3 7/8" (98mm). Required for top jamb mounting where head frame is less than 3 7/8" (98mm).



Plate, SC70A-18PA

Required for parallel arm mounting where top rail is less than 6" (152 mm), measured from the stop. Plate requires 1 3/4" (44mm) minimum top rail measured from stop.

How to order

SC70A Series

		Cylinder	Cover	Arm	Finish	Accessories
STD**	SC71A Standard					
DEL	SC71A Delay					
Full cover	SC70A-72					
RW/PA**	Regular with parallel arm shoe					
HW/PA**	Hold open with parallel arm shoe					
HD**	Heavy duty arm					
DS**	Dead stop arm					
DS/HO	Dead stop hold open arm					
SS	Spring stop arm					
SS/HO	Spring stop hold open arm					
FA	Forged arm					
FA/HO	Forged arm with hold open					
Matte black**	622					
Aluminum	689					
Dark bronze	695					
Brass*	696					
Soffit shoe support	SC70A-30					
Blade stop spacer	SC70A-61					
Auxiliary shoe	SC70A-62A					
Top jamb plate	SC70A-18					
PA Plate	SC70A-18PA					
Full cover	SC70A-72					

*Contact customer service at 1-877-671-7011 for lead time information.

**Matte Black (622) is only available on standard cylinders and RW/PA, HW/PA, DS and HD.

Note: SC71A models are adjustable sizes 1-6

SC80A Series

		Cylinder	Cover	Arm	Finish	Accessories
STD**	SC81A Standard					
DEL	SC81A Delay					
Slim cover	SC80A-72					
Full cover	SC80A-72FC (optional, please specify)					
RW/PA**	Regular with parallel arm shoe					
HW/PA**	Hold open with parallel arm shoe					
HD	Heavy duty arm					
DS**	Dead stop arm					
DS/HO	Dead stop hold open arm					
SS	Spring stop arm					
SS/HO	Spring stop hold open arm					
Matte black **	622					
Aluminum	689					
Dark bronze	695					
Brass*	696					
Soffit shoe support	SC80A-30					
Blade stop spacer	SC80A-61					
Auxiliary shoe	SC80A-62A					
Top jamb plate	SC80A-18					
Top jamb plate - full cover	SC80A-18FC					
PA Plate	SC80A-18PA					
PA Plate - full cover	SC80A-18PAFC					
Slim cover	SC80A-72					
Full cover	SC80A-72FC					

* Contact customer service at 1-877-671-7011 for lead time information.

** Matte Black (622) is only available on standard cylinders and RW/PA, HW/PA, and DS.

Note: SC81A models have adjustable sizes 1-6

WS406, WS407CVX / WS406, WS407CCV

Wall bumpers (convex and concave models)

- Constructed in sturdy yet economical wrought base of brass or stainless steel construction
- Feature concealed tamper-proof mounting
- Shipped factory preassembled backplate to reduce installation cost
- Easy installation by inserting screwdriver through small hole in rubber
- WS406/407CVX – convex rubber bumper, packed with fasteners for drywall/wood applications
- WS406/407CCV – concave rubber bumper which avoids damage to locks with projecting buttons, packed with fasteners for drywall/wood applications

Specifications

Material substrate	Made from brass and stainless steel
Certifications	<ul style="list-style-type: none"> WS406/407CVX Meets ANSI/BHMA 156.16, L22201 for brass and L52201 for stainless steel WS406/407CCV Meets ANSI/BHMA 156.16, L22251 for brass and L52251 for stainless steel

Dimensions

Base diameter	Base thickness	Overall projection
2 1/2"	3/8"	1"



WS406CVX and WS407CVX

Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
609	Blackened Brass	Brass	US5
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Brass	US15
622	Matte Black	Brass	BLK
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
–	Aged Bronze	Brass	643e/716
630	Stainless Steel	Stainless steel	US32D

For other colors, consult factory.

411R-W

Wall bumper - adhesive

- Adhesive-backed wall door stop for use on clean, smooth, flat surfaces only
- Non-marring white rubber
- Concave design permits knob to strike stop without damaging or engaging lock mechanism

Specifications

Material substrate	Made from rubber
--------------------	------------------

Dimensions

Base diameter	Base thickness	Overall projection
1 7/8"	3/8"	1 1/16"

Finishes

BHMA	Description	Substrate	Finish
–	White	Rubber	R-W



Overhead Holders & Stops - Surface Mount

4400 Series - Surface Mount, Medium Duty

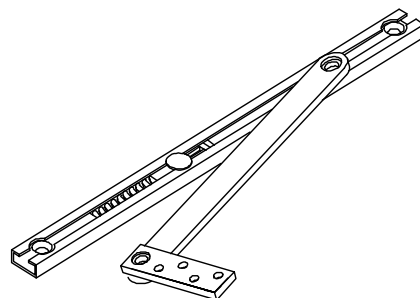


Standard Features

- Surface Mount
- **Medium Duty**
- Stop and hold open functions available
- Single or double-acting doors
- Non-handed
- For interior use on moderate traffic and medium weight doors
- Standard installation from 85° to 110° of opening (5° increments)
- Shock absorbing spring provides 3° to 5° cushion before dead stop
- Standard fasteners supplied with sex bolts for 1-3/4" to 1-7/8" thick door (see options for other door thicknesses)
- UL Listed as Miscellaneous Fire Door Accessories for use on metal fire doors rated up to 3 hours (stop function only)
- Average weight per unit = 2 lbs.
- **Material: Stainless Steel is the standard base material for arm, channel and jamb bracket for all finishes.**

Specify When Ordering: Model Number, Finish, See page 6 for Option(s) applicable.

4400 Series		Model Number			Frame Opening Size (Nominal)	
• Surface Mount						
• Medium Duty						
		Hold Open	Stop	Friction	Butt Hinges or Offset Pivots	Center Hung
		4411	4421	4431	18" - 23-15/16"	22" - 27-7/16"
		4412	4422	4432	24" - 29-15/16"	27-1/2" - 33-7/16"
		4413	4423	4433	30" - 35-15/16"	33-1/2" - 38-15/16"
		4414	4424	4434	36" - 48"	39" - 48"
ANSI Code		C05511	C05541	C05531		



Pulls, push bars and plates

Push, pull and protection plates

8400 / 8402



Commercial protection plates (UL and non-UL models)

- All plates, metal and plastic, come standard with four beveled edges and countersunk mounting holes (B-CS)
- Protection plates must be ordered in 1/2" increments. Available in other sizes, consult customer service
- For 8402 UL Plates, UL mark appears in upper left corner. Not available on plastic protection plates (special cutouts are not allowed on UL kick plates)

Specifications

Material substrate	<ul style="list-style-type: none"> ▪ Available in .050" thick brass, stainless steel or aluminum; and 1/8" thick high impact polyethylene in clear or black ▪ Aluminum 5005 Series, brass C26800 Series, stainless steel 300 Series, plastic
Mounting hardware	<ul style="list-style-type: none"> ▪ Standard mounting package, 16 per pack <ul style="list-style-type: none"> – #6 x 5/8" Oval head screws ▪ Optional TEK/TORX package, specify TK-TX <ul style="list-style-type: none"> – #6 x 5/8" Self-drilling, self-tapping screws – #6 x 5/8" Torx screws
Certifications	<ul style="list-style-type: none"> ▪ Meets ANSI/BHMA A156.6 for J301 ▪ UL protection plates certified to UL10C

Number of screw packs required by plate size (specify TEK Screws or TORK screws)

	22"-25"	26"-33"	34"-41"	42"-48"
4"-8"	1	1	1	1
9"-16"	1	1	1	1
17"-24"	1	1	1	2
25"-32"	1	1	2	2
33"-40"	1	2	2	2
41"-48"	2	2	2	2

Options

- Specify B-NH for no mounting holes (Not available on 8402. Available only with US32D, US32, US3, US4, US28, CLR, P-BLK only)
- Specify B-NHA for no mounting holes with adhesive
- Specify ERS prepped with extra row of screws
- Special Cut-outs are available as engineering special, consult customer service

Finishes

BHMA	Description	Substrate	Finish	Max sizes
605	Bright Brass	Brass	US3	24" x 48"
606	Satin Brass	Brass	US4	24" x 48"
612	Satin Bronze	Brass	US10	24" x 48"
613	Oil Rubbed Bronze	Brass	US10B	36"X48"
619	Satin Nickel	Stainless	US15	24" x 48"
625	Bright Chrome	Stainless	US26	36"X48"
626	Satin Chrome	Stainless	US26D	48" x 48"
628	Satin Aluminium	Aluminium	US28	48" x 48"
629	Bright Stainless Steel	Stainless steel	US32	48" x 48"
630	Satin Stainless Steel	Stainless steel	US32D	48" x 48"
654	Satin Stainless Steel	Stainless steel	US32D	48" x 48"
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE	24" x 48"
BLK	Matte Black	Stainless steel	BLK	24" x 48"
P-BLK	Black	Plastic	P-BLK	48" x 48"
CLR	Clear	Plastic	CLR	48" x 48"

Custom finishes are available as engineering special, consult customer service

Available accessories

- Gasket tape kit tape is recommended when using a brass plate on a metal door to reduce tarnishing from electrolytic oxidation
- One tape pack will cover an the perimeters of a 8" x 34" kickplate (rder 8401 gasket tape)



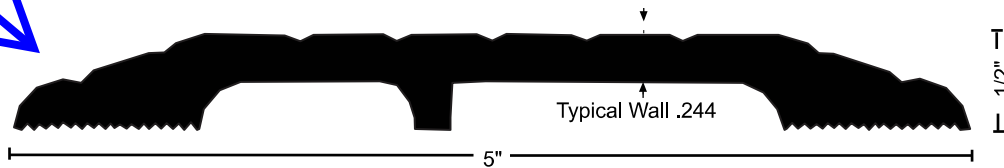
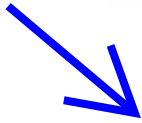
Heavy Duty Thresholds

All thresholds this page



- For use where forklift or vehicular traffic occurs
- Recommended for delivery/storage doorways where heavier loads travel
- BHMA certified to ANSI A156.21 Heavy Duty 10,000 lb. load test
- Optional "SIA" slip-resistant finish recommended in moisture prone areas

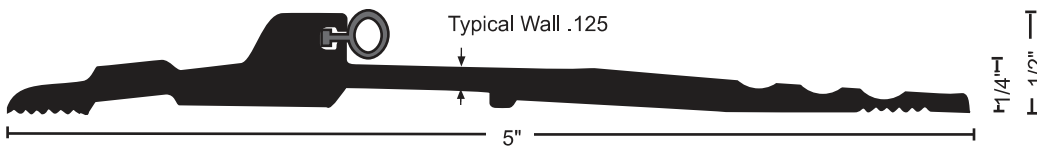
Approved.
LG-BD



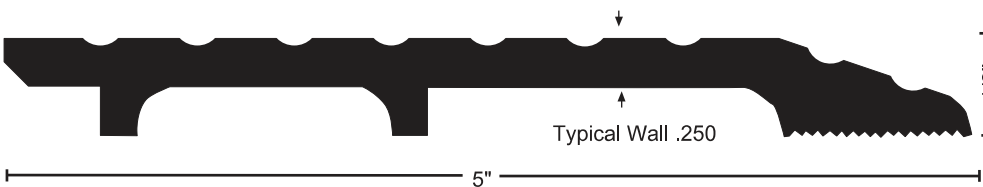
425HD 1.6 lbs./ft.
425HDDKB 1.6 lbs./ft.



513HD 1.4 lbs./ft.
513HDDKB 1.4 lbs./ft.



896HD 1.01 lbs./ft
896HDDKB 1.01 lbs./ft



325HD 1.65 lbs./ft
325HDDKB 1.65 lbs./ft



- when installed with the non-beveled edge flush with flooring or where no greater than 1/4" vertical rise occurs

MATERIALS & FINISHES

- Aluminum mill finish
- DKB - Aluminum dark bronze finish



- Optional: Slip Resistant SIA Finish

FASTENERS

#10 x 1-1/2" FH zinc plated wood screws furnished. Dark bronze supplied with DKB thresholds.



BUMPER SEAL

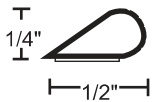
Seals against the door providing weather resistance

Vinyl ("V") supplied unless other material specified

Options:

NGP-TPV ("N")
Silicone ("S")

Self-Adhesive Silicone Gasketing



Approved.
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Silicone Bulb Fire and Smoke Seal

- 5050B** Brown
- 5050C** Charcoal
- 5050W** White
- 5050T** Tan
- 5050CL** Clear

Available in 17', 20',
21', 25' and 300' rolls.



Edge Sealing System - Category "G" for 20 minute rated category B wood doors perimeter application up to:

single swing 4'0 x 8'0
pairs 8'0 x 8'0
use 9550 at the meeting edge of pairs



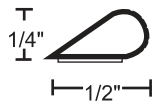
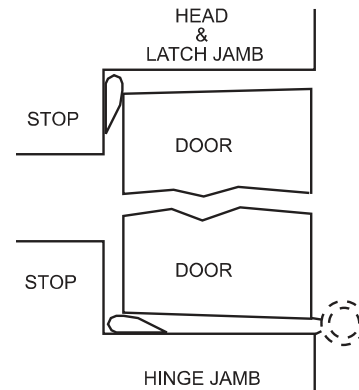
Smoke and Draft Control - Category "H"

Up to 3 hours Hollow Metal fire doors
Up to 90 minutes Wood fire doors



Meets requirements of RoHS Directive

See adhesive specifications on page G9



Anti-ligature Silicone Bulb Fire and Smoke Seal

5050 silicone bulb seal available with serrations every 8" designed to break apart preventing it from being used to hang or strangle.

Applications include psychiatric facilities, prisons and other treatment facilities.

Installs as a continuous length providing the same sealing properties for light, sound, air and smoke as our original 5050.

- ANTI-LIG 5050B** Brown
- ANTI-LIG 5050C** Charcoal
- ANTI-LIG 5050W** White
- ANTI-LIG 5050CL** Clear

Available per foot (bulk) or in
stock length 300' rolls.



Edge Sealing System - Category "G" for 20 minute rated category B wood doors perimeter application up to:

single swing 4'0 x 8'0
pairs 8'0 x 8'0
use 9550 at the meeting edge of pairs



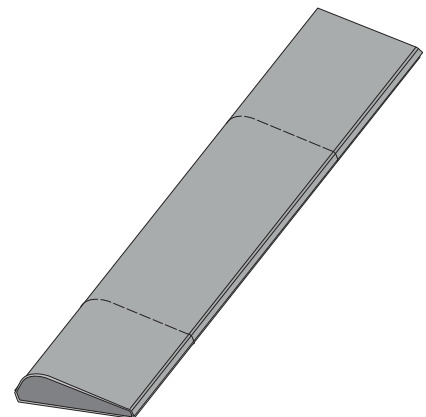
Smoke and Draft Control - Category "H"

Up to 3 hours Hollow Metal fire doors
Up to 90 minutes Wood fire doors



Meets requirements of RoHS Directive

See adhesive specifications on page G9

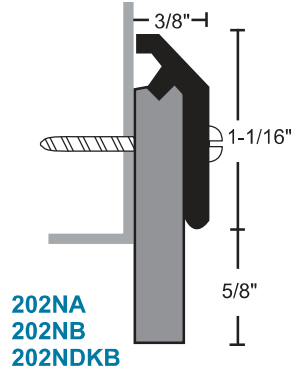
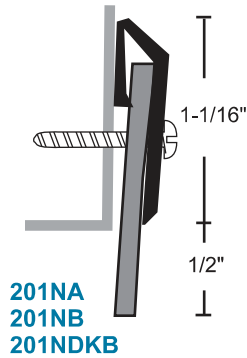
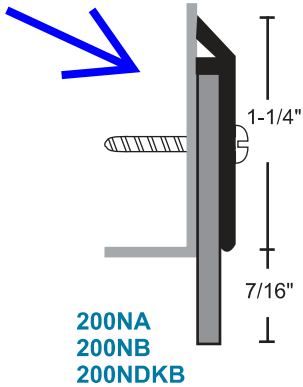




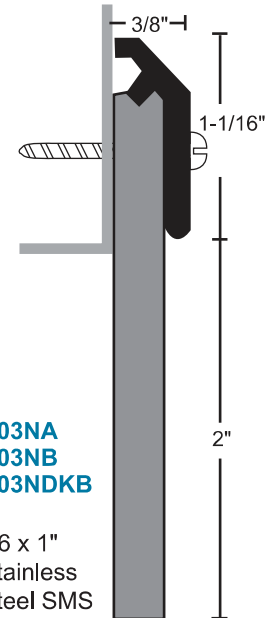
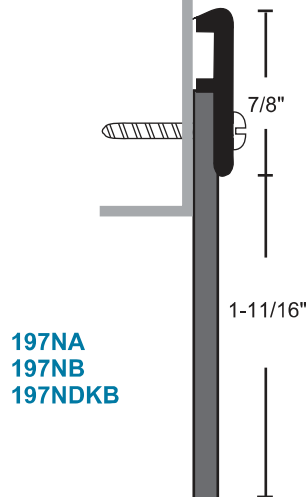
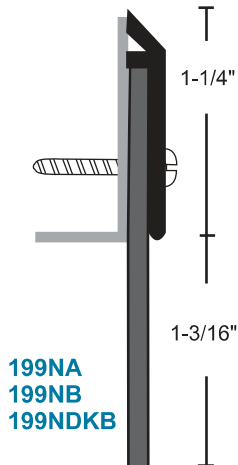
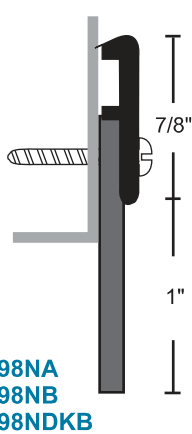
Neoprene Sweeps

#6 x 3/4" Stainless Steel Sheet Metal Screws furnished.
Screw holes slotted for adjustment.
Neoprene is black

Approved:
LG-BD



#6 x 1" stainless steel SMS



#6 x 1"
stainless
steel SMS

All products this page



Material Finishes:

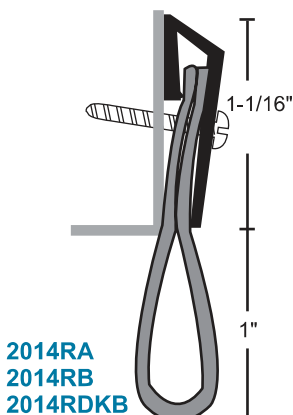
A - anodized aluminum

DKB - dark bronze

no suffix = mill aluminum

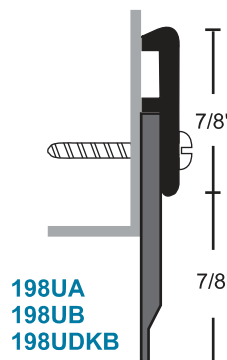
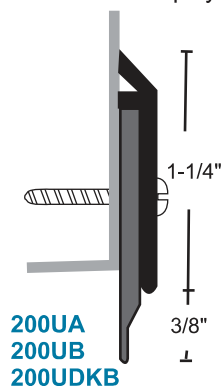
neoprene is black

Reinforced Neoprene Sweep



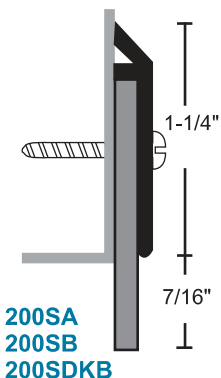
Polyurethane Sweeps

polyurethane is black



Silicone Sweep

silicone is gray





Wall Guard No. 606-RKW

Material: Clear rubber

Other: Sold in sheets of 55

Features: Self-adhesive mounting

No.	Fastener	Size	Weight
606-RKW	Self-adhesive back	1" x 1"	0.4 lbs./55



Privacy Door Latch No. PDLAA

Material: Zinc die cast

Finishes: US26D, US26, US15, BSP, US3, US4, 10BE

Features:

- ADA compliant
- Enhanced in room privacy
- Easy to install
- For use with UL Classified fire doors for use with hollow metal steel composite type fire doors rated up to and including 3 hrs
- Wood composite type fire doors rated up to and including 1½ hrs and 20 minutes without hose stream

No.	Fastener	Size	Weight
PDLAA	#12 x 1-1/4" FH SMS	1½" x 2³/₁₆"	0.8 oz.



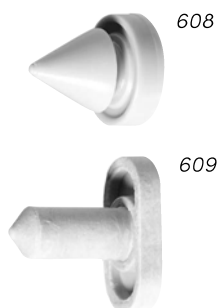
Door Silencer No. 608CA

Material: Clear rubber

Other: Sold in packages of 300

Features: Self-adhesive mounting

No.	Fastener	Size	Weight
608CA	³/₈" dia. x 1/₈"	Metal or wood	0.2 lbs./300



Door Silencers No. 608-RKW, 609

Material: Gray rubber

Other: Sold in packages of 100

No.	Size	Frame Type	Weight	ANSI A156.16
608-RKW	½" dia. x ⁵/₈"	Metal	1.3 lbs./500	L03011
609	³/₈" x ³/₄"	Wood	1.3 lbs./500	L03021

ROCKWOOD®

ASSA ABLOY

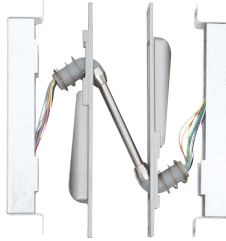
Experience a safer
and more open world

Power transfers and electromagnetic locks

Electrical power transfer (EPT)

Pneumatic transfer (PNT)

Electric Power Transfer provides a means of transferring electrical power from a door frame to the edge of a swinging door. The units are completely concealed when the door is in the closed position, and are ideal for installations involving abuse or heavy traffic.



Two models are available; EPT-2, two 18 gauge wires and EPT-10, ten 24 gauge wires. The EPT-2, EPT-10, and PNT-1 are UL listed as "miscellaneous fire door accessories". UL Listed for use on fire doors. PNT-1 has one 5/32" tube.

Door applications:

Degree of opening	Hinge type	Door thickness
0-180	Up to 5" butt hinges	1 3/4"
0-180	Up to 3/4" offset pivots	1 3/4"
0-130	5 1/2" butt hinges	1 3/4"
0-110	6" butt hinges	1 3/4"
0-90	Swing clear hinges	1 3/4"

Finishes

SP28 (sprayed aluminum)

SP313 (sprayed duranodic)

Approved.

LG-BD Dimensions

Housing	9" x 1 1/4" x 1 5/8" (229mm x 32mm x 38mm)
EPT-2	Two 18 gauge wires, Up to 2 AMPS @ 24VDC, with a 16 AMPS Maximum Surge
EPT-10	Ten 24 gauge wires, Up to 1 AMPS @ 24VDC, with a 16 AMPS Maximum Surge
PNT-1	5/32" Tubing

To order, specify:

1. EPT-2, EPT-10 or PNT-1.
2. Finish, SP28 or SP313.

Electromagnetic locks

Schlage has a rich heritage in electronic security. For years we have led the industry by providing a broad portfolio of solutions to meet the diverse needs of the market. Today, our electromagnetic locking portfolio continues to evolve to meet your changing needs.

Schlage electromagnetic locks are used to secure the door in conjunction with push bars, request to- exit devices, or credential readers for fail-safe applications when code compliance permits. You can use them on a single standalone door or as part of an access control system. Electromagnetic locks do not contain moving parts, making them extremely durable and preferred for high security applications.

Electromagnetic locks consist of an armature and a coil assembly, which become magnetized when an electric current passes through them. This magnetic field secures the door. Electromagnetic locks are fail-safe by design. To unlock the door simply remove power.

M400 Series electromagnetic locks

The M400 Series is a robust line of electromagnetic locks with unique new design elements that make them easy to install and secure.

Features:

- Auto voltage selection is standard
- Plus Package (P) adds magnetic bond sensor, relocking time delay, door status monitor
- Optional mounting kits available including: Top Jamb Mount, Double and Glass Door

Certifications:

- UL 1034
- UL 10C 3 hour fire rating
- BHMA Grade 1
 - M420 – 500 lb. hold force for traffic control
 - M450 – 1000 lb. hold force for high security
 - M490 – 1500 lb. hold force for max security

Electromagnetic specialty locks

Schlage's electromagnetic specialty locks provide flexibility for a variety of applications. They offer a depth of features and a proven record of performance.

Features and certifications:

M490DE: Delays egress with 15 second timer: includes integrated alarm

- Designed to meet NFPA 101 & BOCA, UL 10C 3 hr fire rating, UL 294, and BHMA 1500 lb. hold force

M490G: Gate lock is weather resistant for exterior swinging and sliding gates

- BHMA 1500 lb. hold force rated GF3000: Concealed locking mechanism enhances security and appearance
- UL 10C 3 hr fire rating, BHMA 1500 lb. hold force 320M: MiniLine is mortise designed for interior sliding doors
- UL 10C 3 hr fire rating, UL 1034 listed

40/70 Series Electromagnetic Locks

Ease of installation makes the 40/70 Series a perfect choice for retrofit applications. It is also easy to select and stock.

Features and Certifications:

- Magnetic bond sensor and door status monitor standard
- UL 10C 1 hour fire rating and BHMA Grade 1:
 - 40 Series – 500 lb. hold force
 - 70 Series – 1000 lb. hold force

SCHLAGE

Door position switches

Overview

Door position switches are used to detect the open or closed status of an opening and then send this status to a control panel. They come in a variety of shapes and sizes and are designed for monitoring door positions, roof hatches, gates etc.

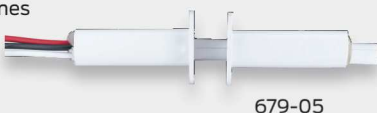


674-OH

Overhead door, floor mount magnetic switch

Concealed SPDT magnetic switches

- For wood doors and frames
- 0.3 Amps @ 30 VDC
- UL10C/CAN-ULC-S104



679-05

Concealed/flush mount magnetic switches

- For aluminum, wood and hollow metal doors
- 0.25 Amps @ 30 VDC
- UL10C/CAN-ULC-S104



7764

- For hollow metal doors and frames
- 0.3 Amps @ 30 VDC
- UL10C/CAN-ULC-S104



679-05HM

Approved.
LG-BD

- For wood doors and metal frames
- 0.3 Amps @ 30 VDC
- UL10C/CAN-ULC-S104



679-05WD

Surface mount magnetic switches

- For aluminum, wood and hollow metal doors
- 0.25 Amps @ 30 VDC
- UL10C/CAN-ULC-S104



7766

Ordering information

- **674-OH** - Overhead door floor mount
- **679-05** - Wood door and frame
- **679-05HM** - Hollow metal door and frame
- **679-05WD** - Wood door and metal frame
- **7764** - Concealed/flush mount
- **7766** - Surface mount

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About Allegion

Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions. Allegion had \$2.7 billion in revenue in 2020, and its security products are sold around the world. For more, visit www.allegion.com

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PS902

2 amp power supply

Approved.
LG-BD



Photo as shown includes optional board(s). Please contact your local sales office or visit the support section on our website for configuration assistance.

Overview

The Schlage comprehensive line of power supplies and option boards was designed to address the changing needs of the access control market.

Installation is simplified by utilizing a flat mounting design and polarized locking connectors for option boards. This design eliminates the need for racks and side connectors. The flat mounting of the option boards also provides for easier access to the terminal blocks for connection of electrified devices (such as electrified strikes, electromagnetic locks, card readers, etc.).

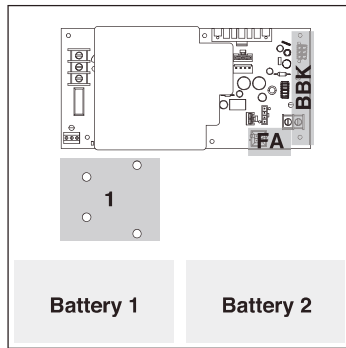
Common to the line of PS900 Series power supplies is a constant output rating at both 12v and 24v settings, universal 120 VAC to 240 VAC input, and polarized option board connectors. New fire alarm interface board mounting allows outputs to be configured as switched (power cut) or unswitched (power continues) when signal is provided.

Features and benefits

- 2A @ 12/24 VDC constant output, field selectable with jumper
- Provides low-voltage, Class 2, filtered and regulated power
- Universal 120-240 VAC, fused primary input
- Single polarized option board connector
- AC input and DC output monitoring circuit with LED indicators
- Externally visible AC input indicator with isolated SPDT contacts
- High-voltage protective cover for AC circuitry (not shown)
- Battery back-up board auto-selects voltage
- Optional Fire Alarm plug-in board available
- UL 294, ULC-S318, RoHS, and FCC Part 15 certified

Configuration options

Available option board, fire alarm and battery backup connection locations:



Exit device support

Von Duprin QEL	Up to 2 ¹
Von Duprin EL	None
Falcon EL	None

1. Requires the use of one 900-2RS option board

PS902 power supply specifications

Specification	Description
Input voltage	120/240 VAC, 50/60 Hz, universal input
Output voltage	2A @ 12 or 24 VDC Field selectable with jumper Switching supply, 5% regulation, 240mVpp max ripple
Enclosure	Grey/baked enamel 14" x 12" x 4" (H x W x D) Eight 1/2" x 3/4" knockouts NEMA Grade 1 Hinged cover with lock down screws
Operating temperature	32° - 120°F (0° - 49°C)
Certifications	ANSI/UL 294 ULC-S318 RoHS FCC Part 15 Class 2
Battery backup (install on main board)	900-BB: Battery backup board only 900-BBK: Battery backup kit (backup board plus battery pack)
Available option boards	900-FA: Plug-in fire alarm (install on main or option board) 900-2RS: 2 Relay option board capable of individual or sequential operation for single and pair door applications 900-4R: 4 Relay option board 900-4RL: 4 Relay option board with integrated logic and individual or sequential operation capability for controlling security interlocks, auto operators, and time delay function 900-8F: Fused, 8 zone option board 900-8P: PTC, 8 zone option board
AC primary fuse size	3.15A, 250v, 5 x 20mm
Battery fuse size	7.5A 32v ATO blade style
DC output protection	Overload protection - current limited foldback circuit
Indicators	LED indicators: - AC input (visible on outside of enclosure) - DC output Isolated SPDT contacts to monitor AC power status
Weight (power supply)	Approx. 9.0 lbs
Weight (each battery)	4.0 lbs
AC input termination	3 position terminal block with protective cover Wire capacity: 10 AWG max.
DC output termination	2 position terminal block Wire capacity: 12 AWG max.
Option board connectors	1
Fire alarm board connector	Yes
Keylock	Optional
Accessories	900-BAT: Backup battery pack

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