## **Hollow Metal Doors and Frames**

### Distributed By:

### J&L Metal Doors

8305 West 183rd Place Tinley Park, IL 60487

Phone: 708-532-8600 Fax: 708-532-8601

	RECORD OF SUBMIT	TALS
	SUBMITTED	RETURNED
1 <sup>ST</sup>		
2 <sup>ND</sup>		
3 <sup>RD</sup>		
4 <sup>TH</sup>		
,		DATE
APPRO\	/ED DRAWINGS	
APPRO\	/ED HARDWARE	
DRAWN BY	· .	

PROJECT:	Landlord Renovations
LOCATION:	Orland Park, IL
ARCHITECT:	
CONTRACTOR:	FJDevelopment Corp.

### Door Frame Submittal Legend

		Manufacturer	
CD		Ceco Door Products	
		Day Day in the	
CD	HMD	Door Description Hollow Metal Door	
CD	LUMD	Hollow Metal Door	
	, <u>, , , , , , , , , , , , , , , , , , </u>	Door Series	
CD	LP	Legion - Polystyrene Core Handed	
	RI	Regent - Honeycomb Core-Handed	
<del>, , , , , , , , , , , , , , , , , , , </del>		Door Gauge	
CD	18	18 Gauge	
		Door Thickness	
CD	1 3/4	1 3/4" Thickness	
		Door Material	
CD	A60	Galvanneal - A60	
L	CRS	Cold Rolled Steel	
		Frame Description	
CD	SGL	3 Piece Frame - Single	
		Frame Series	
CD	SU	Unequal Frame Rabbet	
		Frame Gauge	
CD	16	16 Gauge	
		Frame Construction	
CD	KD	Knocked Down W/Tabs (Sq Ends 12 ga.)	
		Frame Material	
CD	A60	Galvanneal - A60	
		Frame Head	

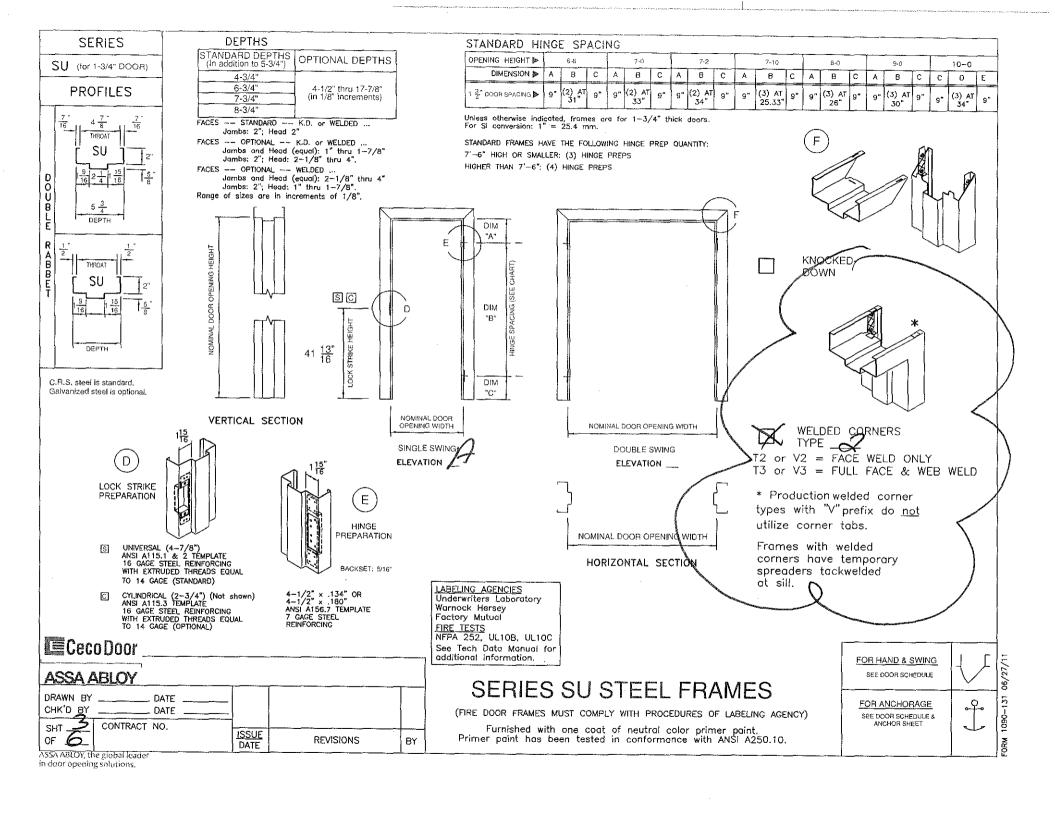
CD	H400	4" Face Head (Sgle. Frame)	
		Frame Anchors	
CD	A01/MSZ1+	MSZ1 Welded-W/Flr Anc over 7'2	
	A17/MT-	MasonT-Welded Fir Anc to 7'2	

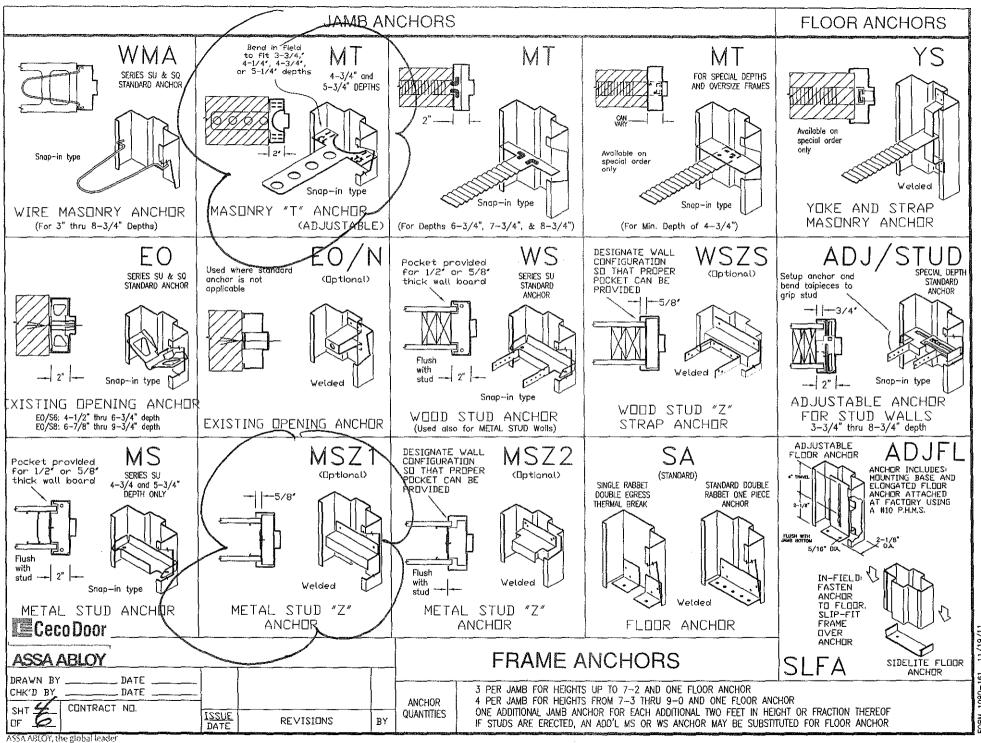
186

### Door Frame Submittal

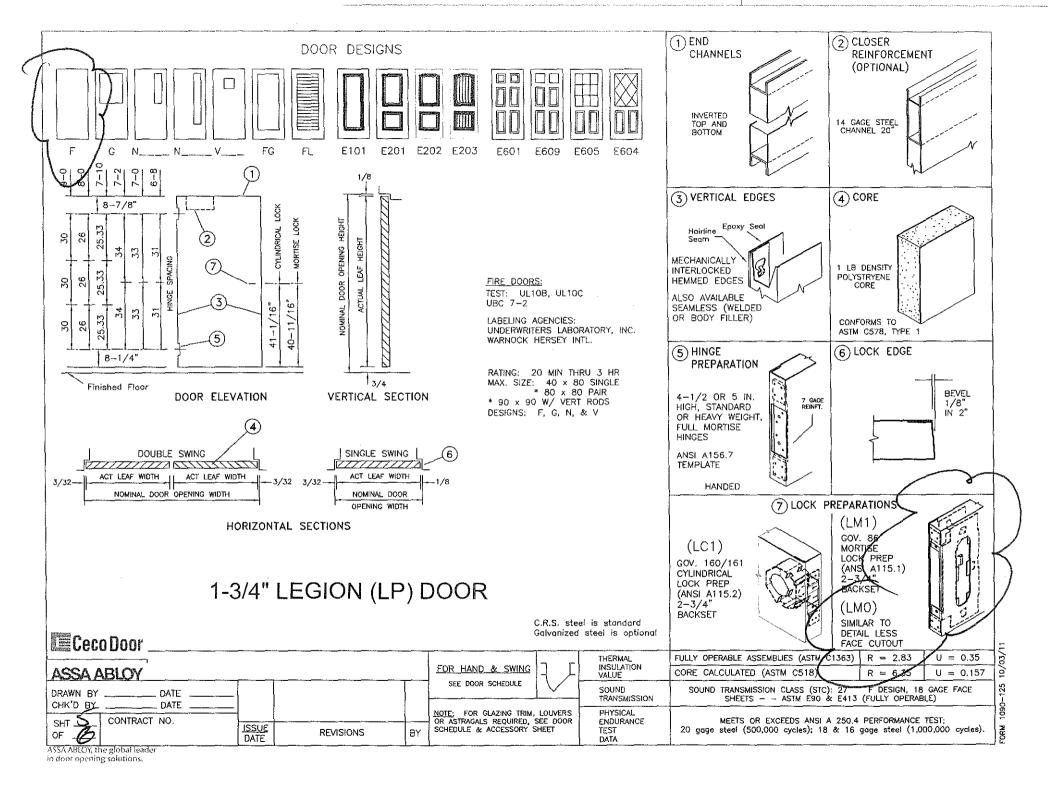
	-	Op	eni	ng	-							D	00	r		- <del></del>										F	ra	me			· , _ · ·	- TU /A		
												<u> </u>		,	ļ	i												,			<del></del>			
Opening Number	Qty	Hdw Hdg	Hdw Set	Rating	Wall Cond	Sill	Leaf Size	Mfg	Arch Type	Desc	Thick	Series	Mati	Core	Ga/ Ply	Edge	Finish	Elev Code	Hand	Size	Mig	Arch Type	Desc	Mati	Series	Profile	Ga	Cons	Jamb/ Throat	Head	Elev Code	Anchor	Hand	Wel đ
CORRIDO R	1	02	02	60Min			3070	CD		HMD	1 3/4	RI	CRS		18			F	LHR	3070	CD		SGL	A60	SŲ		16	KD	534 478			A01/MSZ 1+	RH	Y
] 	Corri	idor fro	m Ten	ant Spa	 ce								L								İ.—		11					J						
FRONT DOOR	1	01	01				3070	CD		HMD	1 3/4	LP	A60		18	į į		F	LHR	3070	CD		SGL	A60	SU		16	KD	534 478	H400		A17/MT-	ŔН	Y
	Exte	rior fro	m Corr	idor	<del></del>				L	JJ						·	1			   			JJ			· · · · · · · · · · · · · · · · · · ·		1		,	······································			
TENANT B	1	01	01		<u></u>		3070	CD		НМО	1 3/4	LP	A60		18			F	RHR	3070	CD		\$GL	A60	SU		16	KD	534 478	H400		A17/MT-	ĹΗ	Y
	Exte	rior fra	m Ten	ant Spar	ceB				J						<u>.                                    </u>	J	<u></u>								<b></b>				L	<u> </u>		· · · · · · · · · · · · · · · · · · ·		
TENANT D	1	01	01			,	3070	CD		НМД	1 3/4	LP	A60		18			F	RHR	3070	СБ		SGL	A60	SU		16	KD	534 478	H400		A17/MT-	LH	Y
	Exte	rior fro	m Ten	ant Spa	ceD					·		· ,,,						· · · · · · · · · · · · · · · · · · ·																

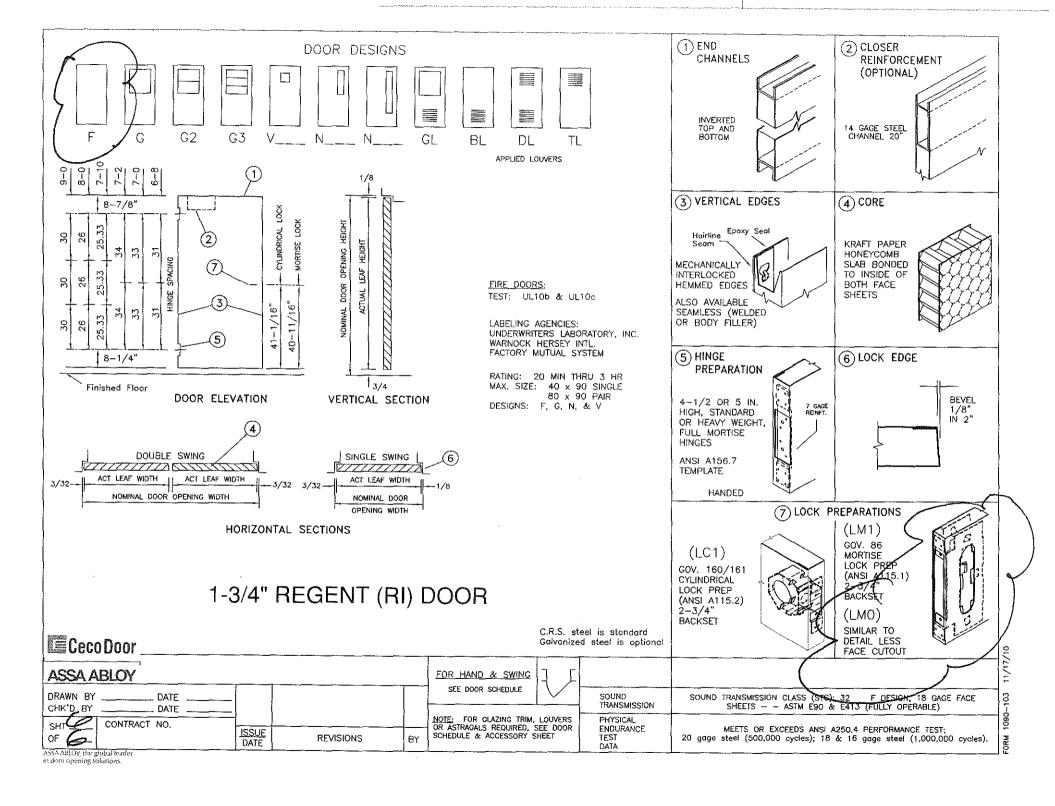
286





RM 1090-161 11/19/





## **DOOR HARDWARE**

### Section 08710

**PROJECT:** Landlord Renovations

66 Orland Square Drive Orland Park, IL,

60462

**OWNER:** FJDevelopment Corp.

9002 Kedvale

Skokie, IL, United States

60076

**ARCHITECT:** 

, ,

**Prepared By:** 

J&L Metal Doors 8305 West 183rd Place 60487

**Date:** June 18, 2015

### **Manufacturer List**

<u>Code</u>	<u>Name</u>
HA	Hager
LC	LCN Closers
PE	Pemko
SC	Schlage
VO	Von Duprin

### **Hardware Schedule**

#### **HEADING #02 (SET #02)**

Opening Description: 3' 0" x 7' 0" x 1 Single Door #CORRIDOR	x 1 3/4" x HMD x HMF x 60Min Corridor from Tenant Space			LHR
<ul><li>3 Hinge</li><li>1 Fire Exit Device</li><li>1 Closer</li></ul>	BB1279 4 1/2 X 4 1/2 NRP 22L-F x 230L 1461 REG/PA	LHR	US26D SP28 US26D	HA VO LC
HEADING #01 (SET #01)				
Opening Description: 3' 0" x 7' 0" x 1 Single Door #FRONT DOOR 1 Single Door #TENANT B 1 Single Door #TENANT D	Exterior from Corridor Exterior from Tenant SpaceB Exterior from Tenant SpaceD			LHR RHR RHR
<ul> <li>9 Hinge</li> <li>1 Exit Device</li> <li>2 Exit Device</li> <li>3 Mortise Cylinder</li> <li>3 Closer</li> <li>3 Weatherstrip</li> <li>3 Door Bottom</li> <li>3 Threshold</li> </ul>	BB1279 4 1/2 X 4 1/2 NRP 22L x 230L 22L x 230L 20-001 1 1/4" C123 KEYWAY 1461 REG/PA 303 AV 1 x 36" 2 x 84" 315 CN 36" 171 A 36"	LHR RHR	US26D SP28 SP28 626 US26D	HA VO VO SC LC PE PE PE

June 18, 2015 Page 2 of 18

### **DOOR HARDWARE SECTION 08710**

**Image Reference: HABB1279** 



**Ball Bearing** Steel

Image Reference: HABB1279\_BB1191

Ball Bearing • Standard Weight • Template
For use on Medium Weight Doors or Doors Requiring Medium Frequency Service

Steel with steel pin ANSI A8112

Brass with brass pin ANSI A2112 Stainless Steel with stainless steel pin ANSI A5112

Five knuckle two ball bearings non-rising removable pin with button tip and plug. Specify screw requirements.





For Hospital type prefix "HT" to catalog number

Hinge Size		Gauge	Number	Scree	w Size	Quan	tity	Avg weight per case (lbs)			
Inches	Millimeters		of holes	Machine	Wood	Box	Case	Steel	SSteel/Brass		
3½ x 3½	89 x 89	0.119	6	1/2 x 10-24	1 x 9	2 each	100 each	66	72		
4 x 4	102 x 102	0.129	8	1/2 x 12-24	11/4 x 12	3 each	48 each	43	47		
41/2 × 4	114 x 102	0.134	8	1/2 x 12-24	11/4 x 12	3 each	48 each	55	60		
41/2 x 41/2	114 × 114	0.134	8	1/2 x 12-24	11/4 x 12	3 each	48 each	55	60		
5 x 4	127 x 102	0.145	8	1/2 x 12-24	11/4 x 12	3 each	24 each	37	40		
5 x 4½	127 x 114	0.145	8	√2 x 12-24	11/4 x 12	3 each	24 each	37	40		
5 x 5	127 x 127	0.145	8	√2 x 12-24	11/4 x 12	3 each	24 each	37	40		
6 x 41/2	152 x 114	0.160	10	1/2 x 1/4-20	11/2 x 14	3 each	24 each	57	62		
6 x 5	152 x 127	0.160	10	1/2 x 1/4-20	11/2 x 14	3 each	24 each	57	62		
6 x 6	152 x 152	0.160	10	1/2 x 1/4-20	1½ x 14	3 each	24 each	57	62		

June 18, 2015 Page 3 of 18

#### DOOR HARDWARE SECTION 08710

Image Reference: LC1460-APPLICATION

## 1000 SERIES

#### **APPLICATIONS**

- ► For aluminum, hollow metal, or wood swinging doors and frames.
- Can be used with hinge or pivot mounted door.
- ▶ Mounts on 1 1/2" transom without adapter plates.
- Adapter plates and other installation accessories available for unusual conditions.

#### FEATURES COMMON TO 1000 SERIES

- ➤ 1000 series closers mount three ways. 1460 closers with regular or hold-open arm mount hinge side or top jamb. P1460 closers includes 62PA SHOE required to parallel arm mount either regular or hold-open arms. 1460T mounts hinge side, top jamb (pull side) and stop face.
- Non-handed for right and left swinging doors.
- ► Closers to meet ADA reduced opening force requirements.
- ► Adjustable hydraulic backcheck cushions opening swing prior to 90°.
- Available in a wide range of powder coated finishes to blend with door and frame.
- ► Separate regulation of general closing speed and latching speed.
- Joints in arm and shoe adapt to uneven trim.
- Reversible shoe to boost latching power on double lever arms.

#### **DESIGN ASSISTANCE**

LCN has been providing reliable solutions to unique door control problems for over 70 years. Design and specification assistance are only a phone call away.

Contact LCN for assistance or technical information at **800-526-2400** or FAX **800-248-1460**.

#### WARRANTY

10 year limited warranty. See General Section for complete warranty details.

#### **SPECIFICATIONS**

Refer to "SPECIFICATIONS" section for suggested architectural specifications.

#### **MATERIALS**

- ► High strength cast iron cylinder.
- Forged steel main arm for 1460 Series, HD, EDA and Cush Arms.
- ► One piece forged steel piston.
- ► All weather fluid eliminates seasonal adjustments.
- ► High efficiency, low friction bearings.
- Non-critical, tamper resistant regulating screws.
- ► Full rack and pinion hydraulic action.
- Quiet, low friction track and roller combination for all single lever arm closers.

#### **LISTINGS & APPROVALS**

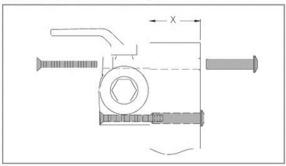
UL listed for self-closing doors without hold-open under "SWINGING DOOR CLOSERS" (GVEV) file R 1943.

Tested and certified under ANSI Standard A156.4 grade one. Consult factory for details.

Consult factory for other listings such as; ULC, California State Fire Marshal, Bureau of Standards and Appeals.

#### **FASTENERS**

Standard WOOD and MACHINE SCREW (WMS) pack contains phillips head wood and machine screws to install the closer. LCN through bolts (TB) can be installed on 1 3/4" thick doors with either the 1/4-20 machine screws or optional TORX screws supplied with the closer. Optional sizes are available for 1 5/8" or 1 3/8" door thicknesses, but this must be specified when ordering.



Note 1: For Through Bolts, specify door thickness if other than 1 3/4" (44 mm).

Note 2: Phillips head, metric machine screws are available on special order.

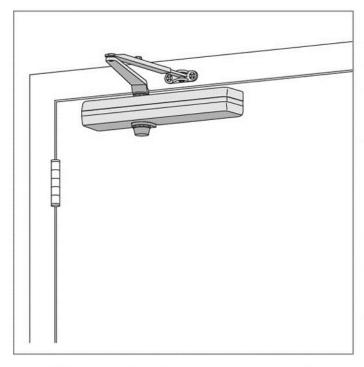
#### MAINTENANCE

Closers mounted according to LCN installation instructions require no periodic maintenance or adjustments.

June 18, 2015 Page 4 of 18

### DOOR HARDWARE SECTION 08710

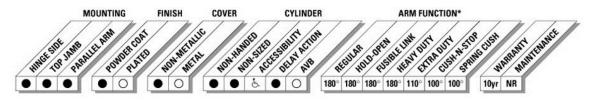
Image Reference: LC1460-FEATURE



The 1460 SUPER STOCK® is a double lever arm, slim line closer designed for use on narrow head frames and top rails. A wide choice of options, mounting accessories and ease of installation offer maximum versatility.

UL and ULC listed for self-closing doors without hold-open. Tested and certified under ANSI Standard A156.4, grade one.

- Standard 1460 series closer shipped with regular arm (non-hold-open), a slim line non-metallic cover, and wood and machine screw pack. See Page 1460-6 for options.
- Non-sized cylinders adjustable for interior doors to 5'0" and exterior doors to 4'0".
- Closer mounts hinge side, top jamb, and (with prefix "P", eg. P1460)
   parallel arm on either right or left swinging doors.
- Closers to meet ADA requirements. See page 1460-8.
- Standard or custom powder coat finish.
- SRI primer for installations in corrosive conditions.



AvailableNot available

Closer available with less than 5.0 lbs. opening force on 36" door.
 Maximum opening/hold-open point with standard template. Hinge side mount.
 NR = No periodic maintenance required.

June 18, 2015 Page 5 of 18

Image Reference: LC1460-PA-MTG

## PARALLEL ARM (PUSH SIDE) MOUNTING

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

#### MAXIMUM OPENING

Regular or hold-open arm can be templated for either 140°.

- (A) = 25/8" (67 mm)
- (B) = 8" (203 mm)

or 180°.

- (A) = 1 1/8" (29 mm)
- $(B) = 6 \frac{1}{2}$ " (165 mm)

Hold-open points up to maximum opening with hold-open arm.

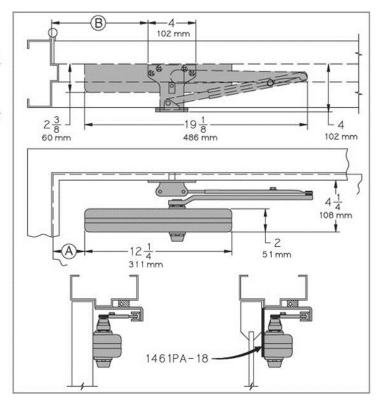
#### **Options**

- Delay action cylinder.
- Hold-open, EDA, H-EDA, CUSH, or H-CUSH arm, Fusible link arm, Spring-Cush, HS-Cush.
- ► Full cover.
- ► EC cover.

#### **Special Templates**

Customized installation templates or products may be available to solve unusual applications.

Contact LCN for assistance.



#### 1460 REGULAR or HOLD-OPEN MOUNT

- Butt Hinges should not exceed 5" (127 mm) in width.
- Auxiliary Stop is recommended at hold-open point, where a door cannot swing 180°, or where CUSH-N-STOP® arm is not used.
- Clearance for 1460-62PA shoe is 4" (102 mm) from door face.
- Top Rail less than 4 1/4" (108 mm) measured from the stop requires PLATE, 1460-18PA.

With full cover, use PLATE, 1460-18PAFC. Plate requires 1 3/4" (44 mm) minimum.

- Head Frame flush or single rabetted requires PA SHOE ADAPTER, 1460-418.
- ► Stop Width minimum 1" (25 mm).
- ▶ Blade Stop clearance, requires 1/2" (13 mm) BLADE STOP SPACER, 1460-61.
- Auxiliary Shoe, 1460-62A allows installation of regular arm with Glynn-Johnson overhead holder/stop. Special templating required.
- Delay Action Add suffix "DA" to selected cylinder (eg. P1460 DA). Delays closing from maximum opening to approximately 75°. Delay time adjustable up to 1 minute.

June 18, 2015 Page 6 of 18

### DOOR HARDWARE SECTION 08710

Image Reference: LC1460\_3077

#### ARMS REGULAR ARM, 1460-3077

Standard, non-handed arm mounts hinge side or top jamb. P1460 closer includes PA SHOE, 1460-62PA required for parallel arm mounting. AUXILIARY SHOE, 1460-62A allows PA installation with optional Glynn-Johnson overhead holder/stop and special templating.



June 18, 2015 Page 7 of 18

### DOOR HARDWARE SECTION 08710

Image Reference: PE171

#### Saddle Thresholds

To use a saddle threshold in an offset condition, use an elevator (see page 19).

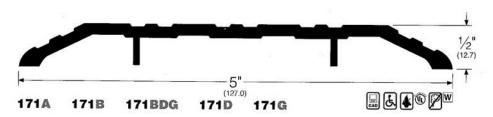
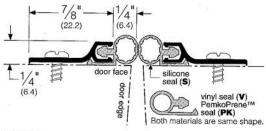


Image Reference: PE303-AST



303AS

Image Reference: PE303\_V

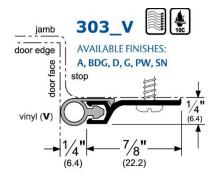
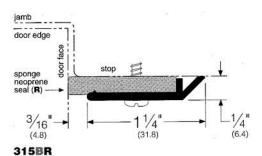


Image Reference: PE315



June 18, 2015 Page 8 of 18

DOOR HARDWARE SECTION 08710

**Image Reference: PEFINISH** 

METALS AND FINISHES: Pemko's extruded metal products are made from: 6063 and 6463 aluminum alloys, and CDA alloy C38500 architectural bronze (brass). Roll-formed metal products are made from stainless steel, high-strength special-purpose zinc alloy, 70-30 yellow brass or 85-15 red brass. Roll-formed aluminum weatherstripping is produced from various alloys selected for the particular properties required. 357\$P is made from hot rolled galvanealed steel; the 357\$S is made from 304-stainless steel. See the charts (below) for all finish designations. If you do not see the option you require, please inquire with our customer service department about the feasibility of a custom finish. Also, a "Finish Designations" Option Table is shown at the top of every pair of pages as a key for one or more of the products on those pages.

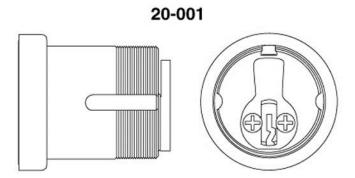
	<b>Standard Finishes</b>					
Code	Finish Designations					
A	mill finish aluminum					
B	mill finish extruded bronze (brass)					
BDC	bright dip clear anodized aluminum					
BDG	bright dip gold anodized aluminum					
0	clear anodized aluminum					
CB	cladded brass					
D	dark bronze anodized aluminum					
6	gold anodized aluminum					
PA	painted aluminum					
PB	painted bronze aluminum					
PD	painted dark bronze aluminum					
PG	painted gold aluminum					
PW	painted white aluminum					
S	cladded stainless steel					
SN	satin nickel anodized aluminum					
SP	galvanealed steel					
SS	see individual part for finish					
Z	zinc metal					
AK	skid resistant PemKote™					
	(on aluminum or bronze)					
	<b>Special Order Finishes</b>					
Code	Finish Designations					
•	black anodized aluminum					
	chrome plated bronze					
0	gray prime coated aluminum					
0	polished alumnium, uncoated					
0	polished bronze, uncoated					
	satin brushed aluminum, uncoated					
0	satin brushed bronze, uncoated					
	oxidized and oil rubbed bronze					

 <sup>=</sup> no code; special order finish option.

June 18, 2015 Page 9 of 18

### DOOR HARDWARE SECTION 08710

Image Reference: SC20-001



June 18, 2015 Page 10 of 18

# Everest<sup>™</sup>

#### Patented Key Control

7-Pin Small Format Interchangeable Core - Best® Style

Facilities have long been challenged by the security problems resulting from unauthorized key duplication. Schlage® can solve this problem with the new Everest patented small format interchangeable core (SFIC). Everest keyways and key blanks are protected by a utility patent. Restricted blanks, cut keys and cores are furnished only through authorized Schlage distributors, with a letter of authorization from the end-user. Restricted items are drop shipped directly to the end-user or designated location, preventing locksmiths and distributors from having access to keys and cores without the end-user's permission. In addition, Schlage Authorized Service Centers have an exclusive keyway that is controlled by them.

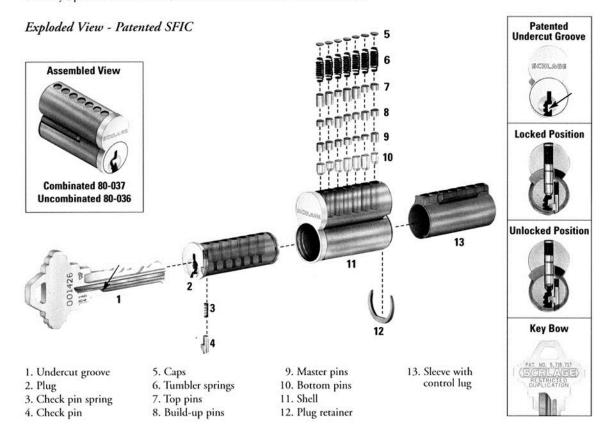
Patent Protected. Key control is important for the integrity of your building's security. The utility patent protects against unauthorized key duplication. This means it is a violation of federal patent law for anyone but Schlage to manufacture these key blanks. The Everest utility patents 5,715,717 and 5,809,806 are new and have a long life ahead of them to protect our restricted keys from unauthorized manufacture and distribution. Key blanks, plugs and cylinders are tightly controlled and are not shipped without proper authorization from the end-user.

Master Keying Capacity. The 7 pins provide over 16,000 change keys per keyway.

Convenience. Interchangeable cores allow instantaneous rekeying by non-locksmith personnel when a key is lost or stolen.

Flexibility. Schlage can now upgrade the key control in the diverse base of installed locks manufactured for 7-pin Best style cores. For those who want to keep their existing key system, Schlage offers the chance to upgrade the hardware with a variety of lock products to accommodate the small format core.

Schlage Quality. Schlage produces the finest quality commercial cylinders which includes features such as thicker, stronger nickel silver keys, precision construction, and finish standards that are second to none.



June 18, 2015 Page 11 of 18

### DOOR HARDWARE SECTION 08710

Image Reference: VO22----BU





**22 rim device** for all types of single and double doors with mullion, UL listed for accident hazard installations. Covers stock hollow metal doors with 161\* cutouts. Fits door stiles as narrow as 3<sup>13</sup>/<sub>16</sub>" (97mm), see page 10.

#### **FEATURES**

- Nonhanded
- Field sizeable
- 3/4" (19mm) throw latch bolt
- · Latch bolt deadlocking
- · Hex key dogging

#### **FINISHES**

SP28 Sprayed aluminum SP313 Sprayed dark bronze

#### **DIMENSIONS**

Dimensions	
Touchbar height to finished floor	39 <sup>13</sup> / <sub>16</sub> " (1011mm) at center
Touchbar projection — neutral depressed	3³/₄" (95mm) 3" (76mm)
Center case	$4^{3}/_{16}" \times 2^{3}/_{8}" \times 2^{3}/_{4}"$ (106mm× 60mm× 70mm)
Device length — Short 3' (914mm) Long 4' (1219mm)	2'6" to 3' (762mm to 914mm) door size 3'1" to 4' (940mm to 1219mm) door size

June 18, 2015 Page 12 of 18

### DOOR HARDWARE SECTION 08710

Image Reference: VO22-230L

Function	08 Key Unlocks Lever
Trim Number and Descriptions	230L [5] 63/8" (162mm) 3" (76mm)
Device/Trim Center Line To Finished Floor	
Projection	2 <sup>5</sup> /8" (67mm)

June 18, 2015 Page 13 of 18

### **DOOR HARDWARE SECTION 08710**

Image Reference: VO22-TRIM

#### STANDARD TRIM



210DT





230TP

230DT

**SERIES 210** 

The 210DT and 210NL have a heavy 10 gauge (2.4mm) stainless steel escutcheon. The 210K knob trim has a 10 gauge (2.4mm) steel escutcheon and uses the Schlage "A" orbit knob with six pin "C" keyway.

#### **SERIES 230TP**

Heavy 10 gauge (2.4mm) steel escutcheon. BE blank escutcheon is available, specify 230TP-BE.

#### **SERIES 230L**

Lever trim has a cast aluminum 3/4" (19mm) depth escutcheon. Cylinder must be ordered separately. BE blank escutcheon option is available, specify 230LxBE. #06 lever style is furnished standard, #03 style lever is available, specify 230Lx03.

#### **OPTIONAL TRIM**

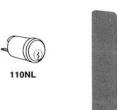
#### **SERIES 230**

Stamped 10 gauge (2.4mm) steel escutcheon. Available functions: 230DT, 230NL, and 230EO. When ordering with the exit device, use 22NLx230NL.

#### **SERIES 110NL**

110NL cylinder kit is available MD for metal doors or WD for wood doors. When ordering with device, use 22NLx110NLMD. Cylinder must be ordered separately.

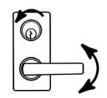
#### **OPERATION OPTIONS**



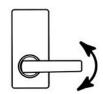
230NL



230EO



Standard operation, key locks and unlocks lever.



Blank escutcheon, lever always active. Use BE suffix, e.g., 230L-BE.

June 18, 2015 Page 14 of 18

### DOOR HARDWARE SECTION 08710

### Image Reference: VO22-TRIM-TABLE

	Panic	22E0	22DT	22DTx230DT	22NL	22NLx230NL	22NL-OP	22TP	22K	22L
Rim	Fire	22E0-F	_	-	22NL-F	22NL-Fx230NL	22NL-OP-F	22TP-F	22K-F	22L-F
	Ctr. Line	=	39 <sup>13</sup> / <sub>16</sub> " (1011mm)	34 <sup>11</sup> / <sub>16</sub> " (882mm)	39 <sup>13</sup> /16" (1011mm)	34 <sup>11</sup> / <sub>16</sub> " (882mm)	40¹/8" (1019mm)	34 <sup>11</sup> / <sub>16</sub> " (882mm)	39 <sup>13</sup> / <sub>16</sub> " (1011mm)	38 <sup>13</sup> / <sub>16</sub> " (986mm)
	Panic	_	2227DT	2227DTx230DT	2227NL	2227NLx230NL	2227NL-OP	2227TP	2227K	2227L
	Fire				2227NL-F		2227NL-OP-F	2227TP-F	2227K-F	2227L-F
	Ctr. Line	39 <sup>13</sup> / <sub>16</sub> " (1011mm) —	39 <sup>13</sup> / <sub>16</sub> " (1011mm) —	A 39 <sup>13</sup> / <sub>16</sub> " (1011mm) B 34 <sup>11</sup> / <sub>16</sub> " (882mm)	39 <sup>13</sup> /16" (1011mm) —	A 39 <sup>13</sup> / <sub>16</sub> " (1011mm) B 34 <sup>11</sup> / <sub>16</sub> " (882mm)	(1011mm)	A 39 <sup>13</sup> / <sub>16</sub> " (1011mm) B 34 <sup>11</sup> / <sub>16</sub> " (882mm)	39 <sup>13</sup> /16" (1011mm) —	A 39 <sup>13</sup> / <sub>16</sub> " (1011mm) B 38 <sup>13</sup> / <sub>16</sub> " (986mm)
Additional requireme	17.50	6	2	2	2	2	6	2	2	2
Cylinder Type	Device Ty Rim	_		_	Rim	Rim	Rim	Mortise	Furnished	Mortise
Required	Vert. Roo	<b>i</b> —	_	17 <del></del>	Rim		Rim	Mortise	Furnished	Mortise

For wood door applications specify #425 sex bolts.

June 18, 2015 Page 15 of 18

### DOOR HARDWARE SECTION 08710

Image Reference: VO22F---BU





**22-F fire exit rim device** for all types of  $4' \times 8'$  (1219mm $\times$  2438mm) single doors and  $8' \times 8'$  (2438mm $\times$  2438mm) double doors with 9854 or 9954 mullion, UL listed for up to 3 hour fire labeled installations. Fits door stiles as narrow as  $4^3/8''$  (111mm).

#### **FEATURES**

- Nonhanded
- Field sizeable
- 3/4" (19mm) throw latch bolt
- · Latch bolt deadlocking

#### **DIMENSIONS**

Touchbar height to finished floor	3913/16" (1011mm) at center
Touchbar projection —	Koda da das Nasis villera consistera
neutral	3 <sup>3</sup> / <sub>4</sub> " (95mm)
depressed	3" (76mm)
Center case	4 <sup>3</sup> / <sub>16</sub> "×2 <sup>3</sup> / <sub>8</sub> "×2 <sup>3</sup> / <sub>4</sub> " (106mm× 60mm×70mm)
Device length — Short 3' (914mm)	2'6" to 3' (762mm to 914mm) door size
Long 4' (1219mm)	3'1" to 4' (940mm to 1219mm) door size

#### **FINISHES**

SP28 Sprayed aluminum

SP313 Sprayed dark bronze (duranodic color)

June 18, 2015 Page 16 of 18

### DOOR HARDWARE SECTION 08710

Image Reference: VO230L---S

#### **SERIES 230L**

Lever trim has a cast aluminum <sup>3</sup>/<sub>4</sub>" (19mm) depth escutcheon. Cylinder must be ordered separately. BE blank escutcheon option is available, specify 230LxBE. #06 lever style is furnished standard, #03 style lever is available, specify 230Lx03.

June 18, 2015 Page 17 of 18

### DOOR HARDWARE SECTION 08710

Image Reference: VOLEVER-06

## **LEVER DESIGN**



#06 (Std.)

June 18, 2015 Page 18 of 18