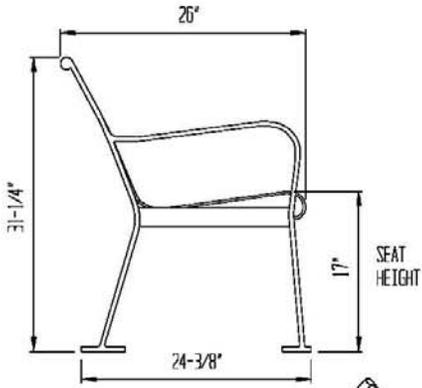


**APPENDIX C  
STATION  
FIXTURES  
AND  
FURNISHINGS**

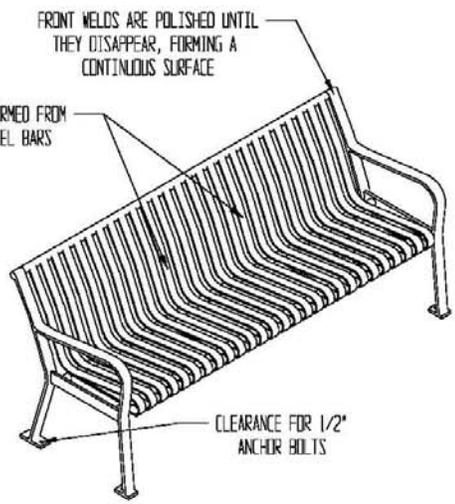


**VICTOR STANLEY, INC.**  
-Manufacturers of Quality Site Furnishings since 1962-

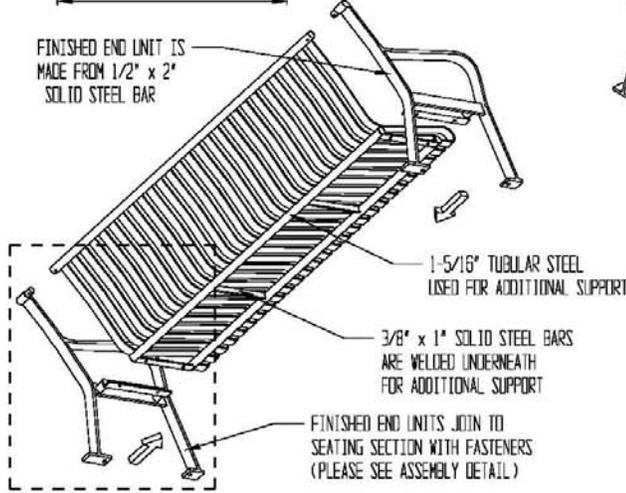
P.O. DRAWER 330 - DUNKIRK, MD 20754 USA  
TOLL FREE: (800) 368-2573 (USA & CANADA)  
TEL: (301) 855-8300 - FAX: (410) 257-7579  
WEB SITE: [HTTP://WWW.VICTORSTANLEY.COM](http://www.victorst Stanley.com)



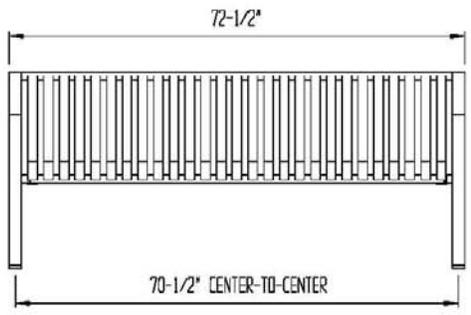
26"  
31 1/16"  
24-3/8"  
17" SEAT HEIGHT



FRONT WELDS ARE POLISHED UNTIL THEY DISAPPEAR, FORMING A CONTINUOUS SURFACE  
(27) STEEL SLATS ARE FORMED FROM 1/4" x 1-1/2" SOLID STEEL BARS  
CLEARANCE FOR 1/2" ANCHOR BOLTS



FINISHED END UNIT IS MADE FROM 1/2" x 2" SOLID STEEL BAR  
1-5/16" TUBULAR STEEL USED FOR ADDITIONAL SUPPORT  
3/8" x 1" SOLID STEEL BARS ARE WELDED UNDERNEATH FOR ADDITIONAL SUPPORT  
FINISHED END UNITS JOIN TO SEATING SECTION WITH FASTENERS (PLEASE SEE ASSEMBLY DETAIL)



72-1/2"  
70-1/2" CENTER-TO-CENTER

**AVAILABLE OPTIONS:**

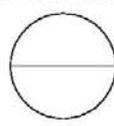
**POWDER COATING**  
10 STANDARD COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE)

**INTERMEDIATE & CENTER ARMRESTS**  
4', 6', & 8' AVAILABLE WITH OPTIONAL 3/8" x 1" SOLID STEEL ARMRESTS AND 8' AVAILABLE WITH FULL CENTER LEG/ARM

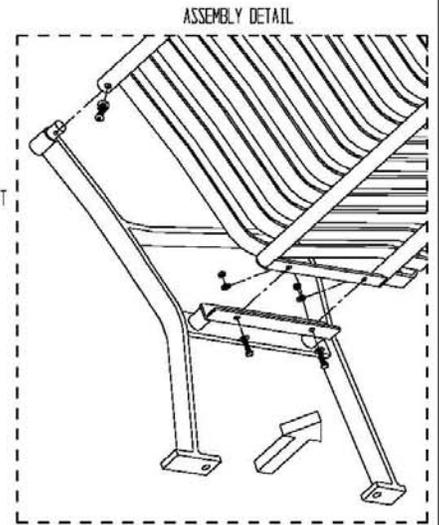
**LENGTHS**  
STANDARD 4'  
STANDARD 6' LENGTH SHOWN  
STANDARD 8'

**NOTES:**

- DRAWING NOT TO SCALE. DO NOT SCALE DRAWINGS.
- ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH COAT AVERAGES 8-10 MILS (200-250 MICRONS).
- IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL BENCH IS IN PLACE. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
- ANCHOR BOLTS NOT PROVIDED BY VICTOR STANLEY, INC.
- FOR HIGH SALT ABRASIVE CLIMATES, HOT DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. SEE WRITTEN SPECIFICATIONS FOR DETAILS.
- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
- THIS PRODUCT IS SHIPPED PARTIALLY UNASSEMBLED.



**RB-28**  
STEELSITE™ RB SERIES ALL STEEL CONToured BENCH  
SHOWN: STANDARD 6-FOOT LENGTH



ASSEMBLY DETAIL

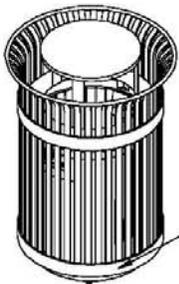
COPYRIGHT 2005 VICTOR STANLEY, INC. ALL RIGHTS RESERVED  
REV. 7/21/05 DRAWN C.O.B. 2005-11



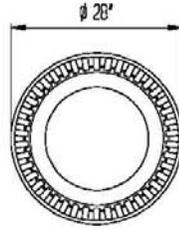
**VICTOR STANLEY, INC.**  
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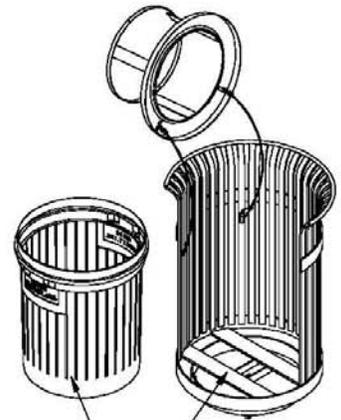
  



1/4" x 2-1/2"  
HORIZONTAL  
SOLID STEEL BAND

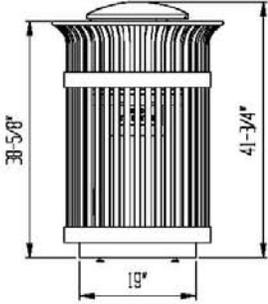


Ø 28"

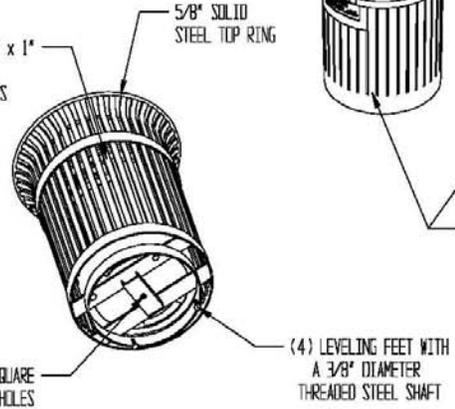


36-GALLON CAPACITY HIGH  
DENSITY PLASTIC LINER  
(WEIGHT NOT TO EXCEED 6 LBS.)  
SITS ON 3/8" x 3" SUPPORT BARS



38-5/8"  
41-3/4"  
19"



(42) 3/8" x 1"  
VERTICAL  
STEEL BARS

5/8" SOLID  
STEEL TOP RING

3/4" SQUARE  
ANCHOR BOLT HOLES

(4) LEVELING FEET WITH  
A 3/8" DIAMETER  
THREADED STEEL SHAFT

**AVAILABLE OPTIONS:**

**POWDER COATING**  
10 STANDARD COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE).

**CUSTOM PLAQUES & DECALS**  
AVAILABLE WITH STEEL PLAQUES IN VARIOUS SIZES AND PRESSURE SENSITIVE VINYL OUTDOOR DECALS.

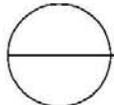
**NOTES:**

- DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
- ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD FILM COATING. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
- THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
- VICTOR STANLEY, INC., PLASTIC INNER LINERS ARE MOLDED ON TOOLING DESIGNED FOR AND OWNED BY VICTOR STANLEY, INC. THEY OFFER MAXIMUM CAPACITY AND STRENGTH WITH LIGHTWEIGHT CONSTRUCTION USING CRITICAL MOLDED RIBS, INTEGRAL HANDHOIDS, AND HIGH-STRENGTH MATERIALS. THIS MINIMIZES HANDLING DIFFICULTY AND FACILITATES EASY EMPTYING AND STORAGE WHILE AFFORDING LONG SERVICE LIFE.
- ANCHOR BOLT NOT PROVIDED BY VICTOR STANLEY, INC.
- FOR HIGH SALT ABUSIVE CLIMATES, HOT DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. SEE WRITTEN SPECIFICATIONS FOR DETAILS.
- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
- THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.

**LIDS**  
STANDARD TAPERED FORMED LID. AVAILABLE WITH OPTIONAL S-2 FORMED DOME (AS SHOWN), S-2 FORMED DOME WITH STAINLESS STEEL ASHTRAY, AND OS-32 FORMED DOME WITH SELF-CLOSING DOOR.

**SECURITY**  
LID IS SECURED WITH VINYL COATED GALVANIZED STEEL AIRCRAFT CABLE. CABLE IS LOOPED AROUND WELDED IN PLACE ATTACHMENT BRACKETS AND CRIMPED IN PLACE. AVAILABLE WITH OPTIONAL MOUNT WITH 3 IN-LINE ANCHOR HOLES AND OPTIONAL BOTTOM PLATE COVER.



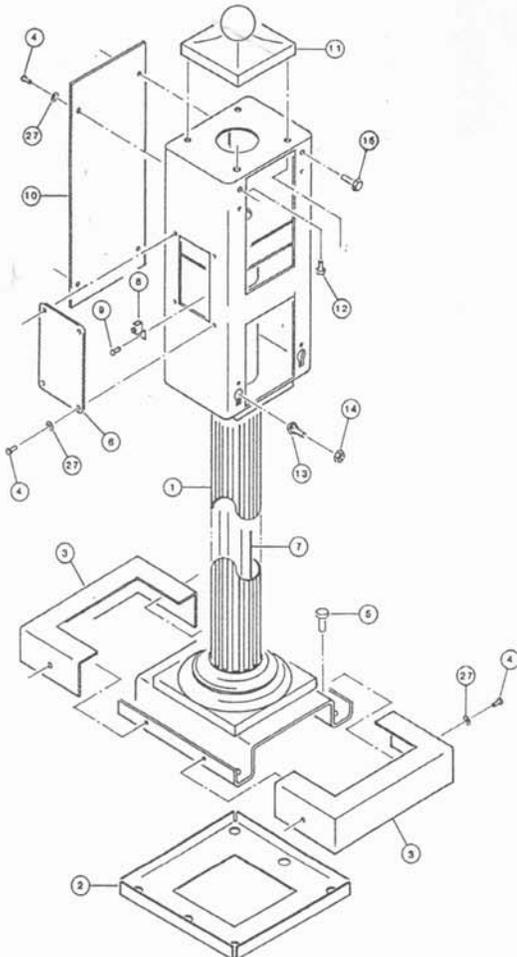
**S-42**  
IRONSITES® SERIES 36-GALLON LITTER RECEPTACLE  
SHOWN: OPTIONAL S-2 FORMED DOME LID

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REV. 7/16/07 DRAWN M.C.W. 2007-249

INSTALLATION INSTRUCTIONS: TRADITIONAL BACK/BACK PEDESTAL

Application

The Back/Back Traditional Pedestal provides a mounting for one or two Traditional Enclosures. The Back/Back Pedestal must be used for single installations of Traditional Enclosures w/SwingAway Mount and for installations requiring aerial entrance masts.



Note

All wiring must conform to local electrical codes and local telephone company practices.

Procedure

- 1 Remove (4) security screws (27), washers (27), and (2) base covers (3).
- 2 Where in-ground adapter is not used, mark location of fasteners and remove pedestal. Drill holes as required and install appropriate 1/2-inch fasteners\*.
- 3 Drive ground rod\*. Adjust position of wire divider (7), inside pedestal to separate power and telephone wiring. Place base pan and pedestal over conduit. Fasten ground wire\* to ground rod with suitable clamp\*.
- 4 Adjust (4) leveling bolts (5) provided, to plumb pedestal and fasten to mounting surface using a minimum of (4) fasteners, (1) in each corner.
- 5 Remove (4) plastic plugs from back of Traditional Enclosure. Loosely assemble (2) 1/2-inch carriage bolts (3), and (2) nuts (4), as shown through lower holes with nuts inside enclosure. Open (2) 7/8" dia. knockouts on center line in back of enclosure.
- 6 Position enclosure(s) against pedestal and insert heads of carriage bolts into keyslots in pedestal. Install (2) bolts (3). Tighten bolts (3) and nuts (4).
- 7 Remove left and right covers, lower panel from Traditional Enclosure by removing flat head security screws in outside of enclosure.
- 8 Remove inspection plate (6), from side of pedestal.
- 9 (Optional) Where aerial feed is desired install Traditional Mast following separate instructions.
- 10 Pull (110V.) power conductors into lower compartment in top of pedestal and into enclosure(s), through lower 7/8-inch knockout in back of housing(s). Connect leads to circuit breaker/neutral base assembly.

Note:

Ground lug (8), is provided for bonding pedestal to ground rod\*, and/or neutral base assembly inside enclosure(s).

- 11 (Optional) Remove threaded plug in left side of Traditional Enclosure(s) and install photo control(s) following instructions included with it. Test photo control(s) and circuit breaker(s) for proper operation.
- 12 Pull telephone wire. Space is provided inside right hand compartment for a station protector.
- 13 Replace all covers and panels previously removed and fasten with security screws.

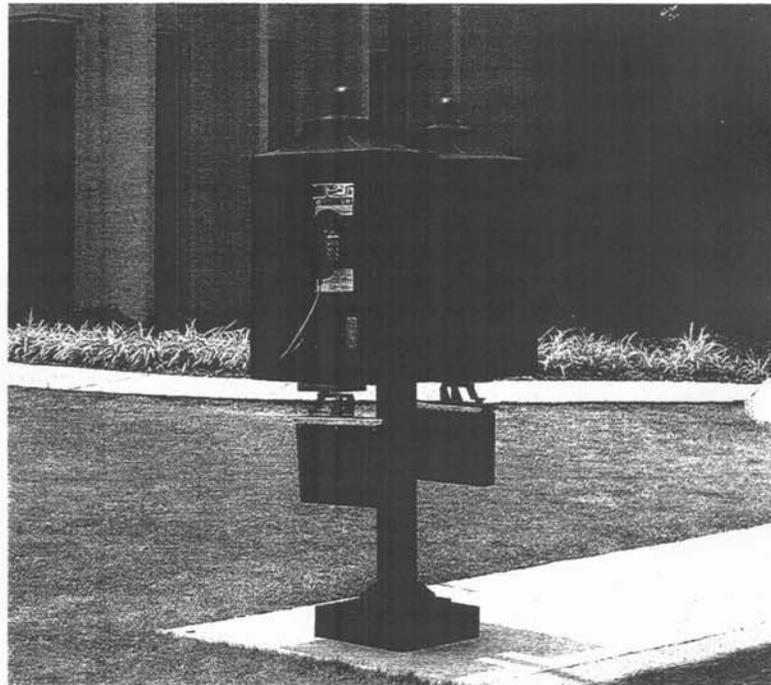
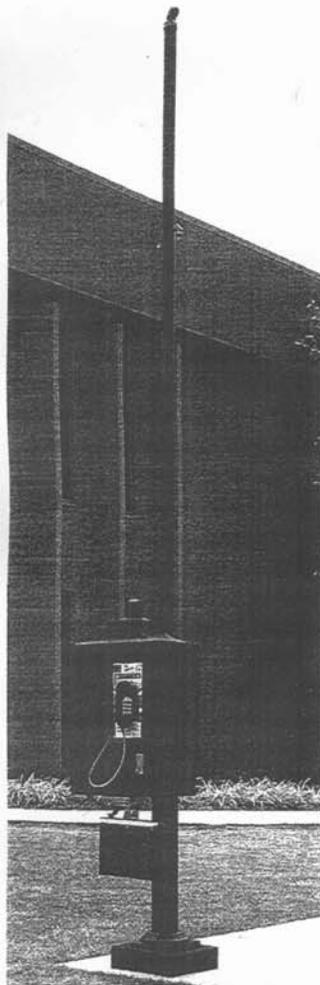
\* (CPE) = Customer Provided Equipment, not supplied by Phillips & Brooks, Inc.

**TRADITIONAL**

**TRADITIONAL ENCLOSURE**

**APPLICATION**

For both indoor and outdoor use, the Traditional provides public telephone service without being visually obtrusive. Ideal for parks, town squares, historic districts, residential areas, etc.



**FEATURES**

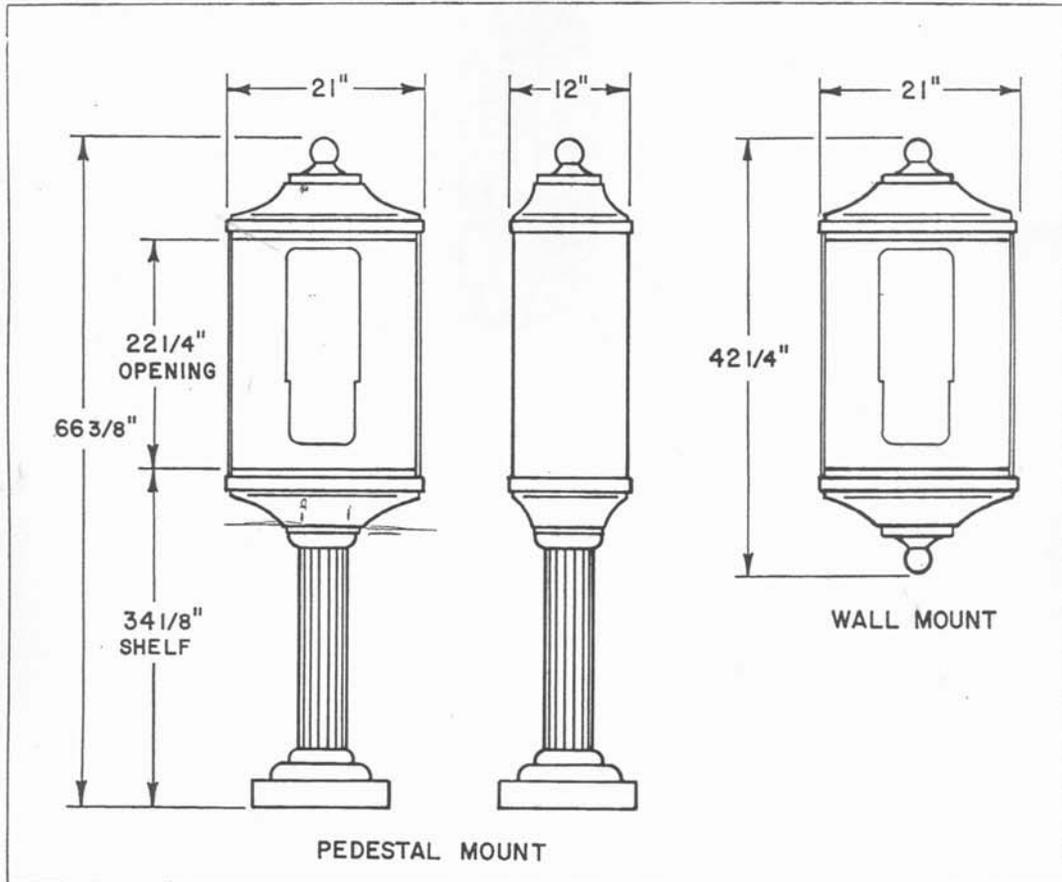
- Decorative Cast Aluminum Top and Bottom
- All Welded Construction
- 3/16" Aluminum Housing
- Black Textured Baked On Powder Coat Finish
- 3" Deep Recessed Steel Phone Mount
- Circuit Breaker
- Lexan® Light Diffuser

**Shipping Weight:** 73.5 lbs. (33.3 kg)  
**Dimensions:** 41" x 23 1/2" x 13 3/4"  
(1041mmx597mmx349mm)

**OPTIONS**

- Available in Custom Colors
- Single, Back-To-Back, Tri- or Quad-Pedestal Mount Available
- Wall Mount Capability
- Model Available to Accept SwingAway Directory
- Aerial Feed, Lighted Sign Mast Available
- Version to Fit Northern Telcom Centurian Coin Phone Available

DATA SHEET: TRADITIONAL ENCLOSURE



**STANDARD FEATURES**

- Cast Aluminum Top and Bottom
- Aluminum Housing
- Black Polane® Finish
- Coinslot Illumination
- Lexan® Light Diffuser
- 3" Deep Recessed Steel Phone Mount
- Welded Construction
- Circuit Breaker

**OPTIONS**

- Light Sensor
- Self Leveling Pedestal
- Wall Mount Kit

**APPLICATION**

For both indoor or outdoor use, the Traditional provides public telephone service without being visually obtrusive. Ideal for parks, town squares, historic districts, residential areas, etc.

**PERFORMANCE DATA**

- Thermally protected cold weather Ballast: 0°F
- Input Voltage: 120 V, 60 Hz
- Line Current: 0.8 Amp
- U.L. Approved
- Meets ANSI Standards

**INSTALLATION INSTRUCTIONS: TRADITIONAL SINGLE PEDESTAL**

**APPLICATION**

The Traditional Single Pedestal provides a mounting for one Traditional Enclosure with SwingAway mount.

**PROCEDURE**

1. Remove (4) security screws (4), front (2) and rear (11) base covers and base pan (3).
2. Using base pan as a template, mark location for anchors. Drill holes as required and install 1/2 inch size fastener\*.
3. Drive ground rod\*. Position pedestal (1) over anchors. Connect and/or route conduit\* up through pedestal tube. Connect copper group wire\* to ground rod and route through pedestal.
4. Adjust (4) leveling bolts (8) provided, plumb pedestal and fasten to mounting surface using a minimum of (4) fasteners\*.
5. Remove left and right covers, and writing shelf from Traditional enclosure. Remove (6) plastic plugs, (4) from back and (2) from bottom, from Traditional enclosure. Position enclosure on pedestal ledge and secure using (6) 3/8" fasteners (9) provided.
6. Connect 110 volt electrical service in left compartment of enclosure.

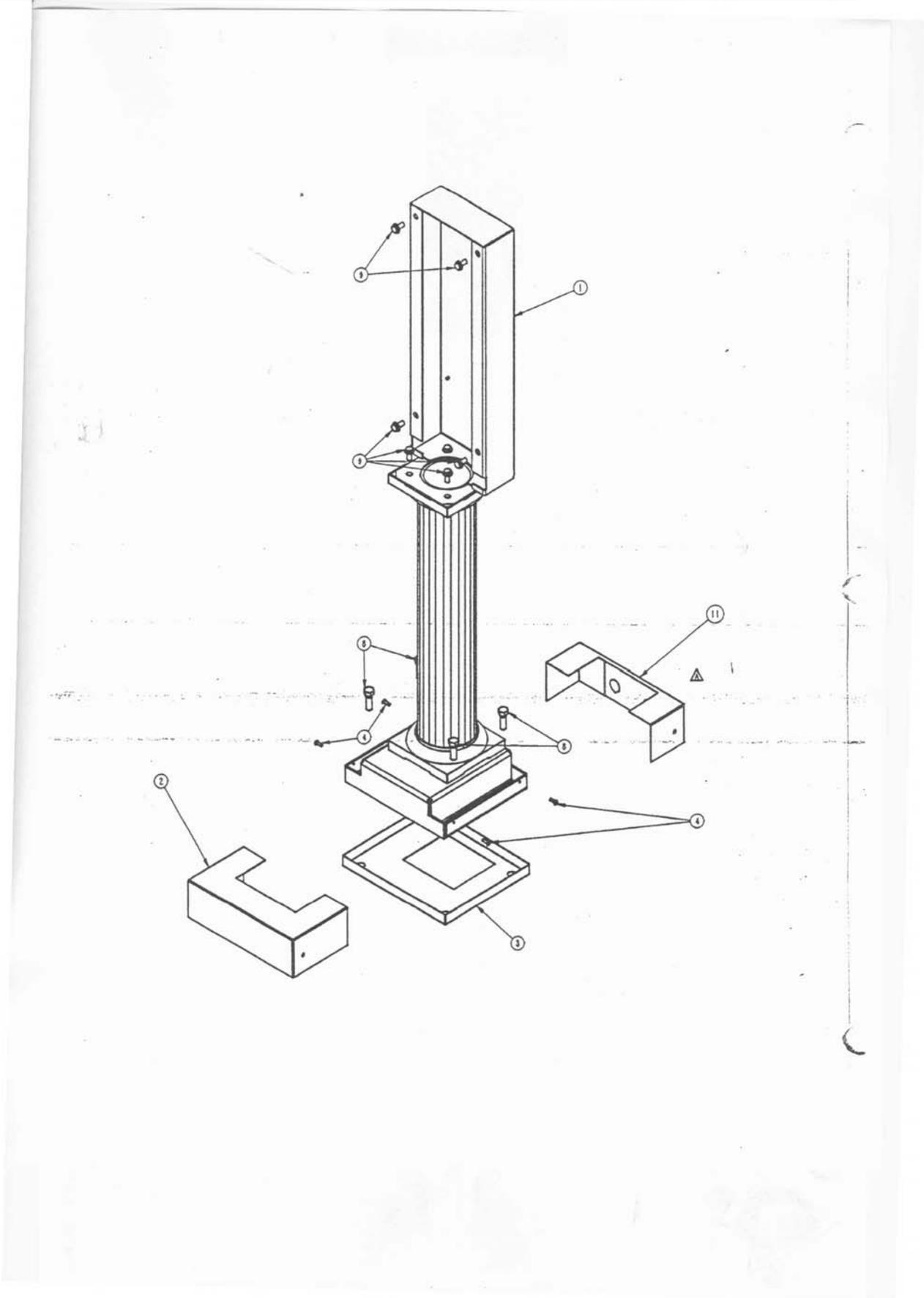
NOTE: All wiring must conform to local electrical codes and local telephone company practice.

7. Replace left and right covers, writing shelf and base covers, tighten securely.

\* (CPE) = Customer Provided Equipment, not supplied by PBG.

PARTS LIST			
ITEM	QTY	DESCRIPTION	PART NO.
1	1	WDMT, TRAD SGL FTW PED	P191.38.10
2	1	COVER, TRAD SGL PED BASE FRONT	P191.38.09
3	1	PAN, TRAD SGL PED BASE	P191.38.05
4	4	SCREW, #10-32 x 5/8 PIH BLK	213-5343BK
8	4	BOLT, 1/2-13 X 1 1/2 H/HD ZP	113-0616
9	6	BOLT, 3/8-16 x 3/4 HX/LK/WSHR/HD ZP	113-3790
11	1	COVER, TRAD SGL PED BASE REAR	P191.38.13

\*\* SEE BACK FOR ILLUSTRATION \*\*



**L** SERIES

*Extra Heavy Duty Mortise Locks*

*The Schlage L-Series mortise lock line is a heavy duty commercial mortise lock containing a wide array of knob and lever designs. It is available in a variety of keyed and non-keyed functions, and in most popular decorative finishes. It is U.L. Listed and can be specified for applications in offices, schools, hospitals, hotels, and commercial buildings, as well as residences. The L-Series lock meets or exceeds the ANSI A156.13 specification, making it the best choice for any building where security, safety, and design compatibility are the prime considerations. The L-Series lock uses one common mortise lock case for all trim. This allows excellent design flexibility in trim combinations such as knob by lever, lever by knob, as well as knob by knob or lever by lever. The outstanding feature of its quickly-reversible handing, allowing orders to be filled quickly at the distributor level from stock on hand. Our L9000-Series mortise lock can be easily handed on-site without disassembling the lock case.*

Armored Fronts	21
Cylinders	14-17
Cylinder Cams	18
Cylinder Collars	19
Designs & Finishes	3-5
Door Handing	22
Door Preparation	2
Electrified Locks	20
Escutcheons, Roses, Special Turns & Finishes	6
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Interchangeable Core	16-17
L-Mediterranean Designs & Finishes	5
Performance Features	2
Primus® Cylinders	14-15
Primus Interchangeable Core	16
Small Format Interchangeable Core	17
Specifications	1
Strikes	21

*On our cover, the L9453P 17L in Bright Bronze.*

*Specifications*

**Applications:** For commercial and institutional buildings where the finest in mortise locks are required.

**Certifications:** L9000: ANSI A156.13 Series 1000, Grade 1 Operational and Security, UL Listed for 3-hour fire door (except L9075 and L9077). With interchangeable core cylinders: Grade 2 Security. L400: ANSI A156.5 Grade 1 UL Listed auxiliary lock for 3-hour fire door.

**With Concealed Cylinder:** A156.13 Grade 1 Operational and Security, ANSI/ASTM F475-75 Grade 40, UL Listed.

**Exposed Trim:**

**Knobs:** #41 and #42 heavy duty wrought brass, bronze or stainless steel knobs match in appearance and are equal to D-Series knobs.

**Levers:** Levers are available in forged brass or bronze and cast stainless steel. Designs available to match D-Series levers.

**93 Lever Design:** Extruded brass, bronze or stainless steel.

**Mediterranean Designs:** Forged brass lever and rose designs.

**Escutcheons:** L escutcheons are cold forged brass or bronze and stainless steel. N escutcheons are heavy wrought reinforced brass, bronze and stainless steel. L = 8" x 1 3/4" x 3/16" (203mm x 44mm x 11mm). N = 8" x 2 1/4" x 3/16" (203mm x 65mm x 11mm).

**Roses:** A = 2 1/4" (64mm) diameter wrought brass, bronze or stainless steel.

B = 2 1/4" (65mm) diameter wrought brass, bronze or stainless steel.

**Trim Combinations:** Available with knob both sides, lever both sides, or knob x lever with rose or escutcheon both sides.

**Keying:** 6-pin cylinder with two nickel silver Everest patented keys standard. Keying options available from factory are master keying, construction keying, interchangeable core, SFIC and Primus® high security cylinders.

**Door Range:** 1 3/4" (44mm) Standard. 1 3/8" (35mm) to 2 1/2" (64mm) Regular parts assembled to order. Over 2 1/2" (64mm) door ranges vary by function. N escutcheon available for 1 3/4" (44mm) doors standard. 2" (51mm) to 2 3/8" (60mm) Regular parts assembled to order. Specify door thickness if other than 1 3/4".

**Case Size:** 4 1/4" x 6 1/4" x 1" (113mm x 154mm x 25mm).

**Armored Front:** 1 3/4" x 8" x 3/32" (32mm x 203mm x 5mm) Standard. 1 3/4" x 8" x 3/32" (27mm x 203mm x 5mm) Optional.

**Spacing:** 1" Knob or lever to 1" cylinder, 3/8" (98mm); 1" knob or lever to 1" thumbturn hub, 2 1/4" (68mm).

**Deadbolt:** 1" (25mm) Throw stainless steel.

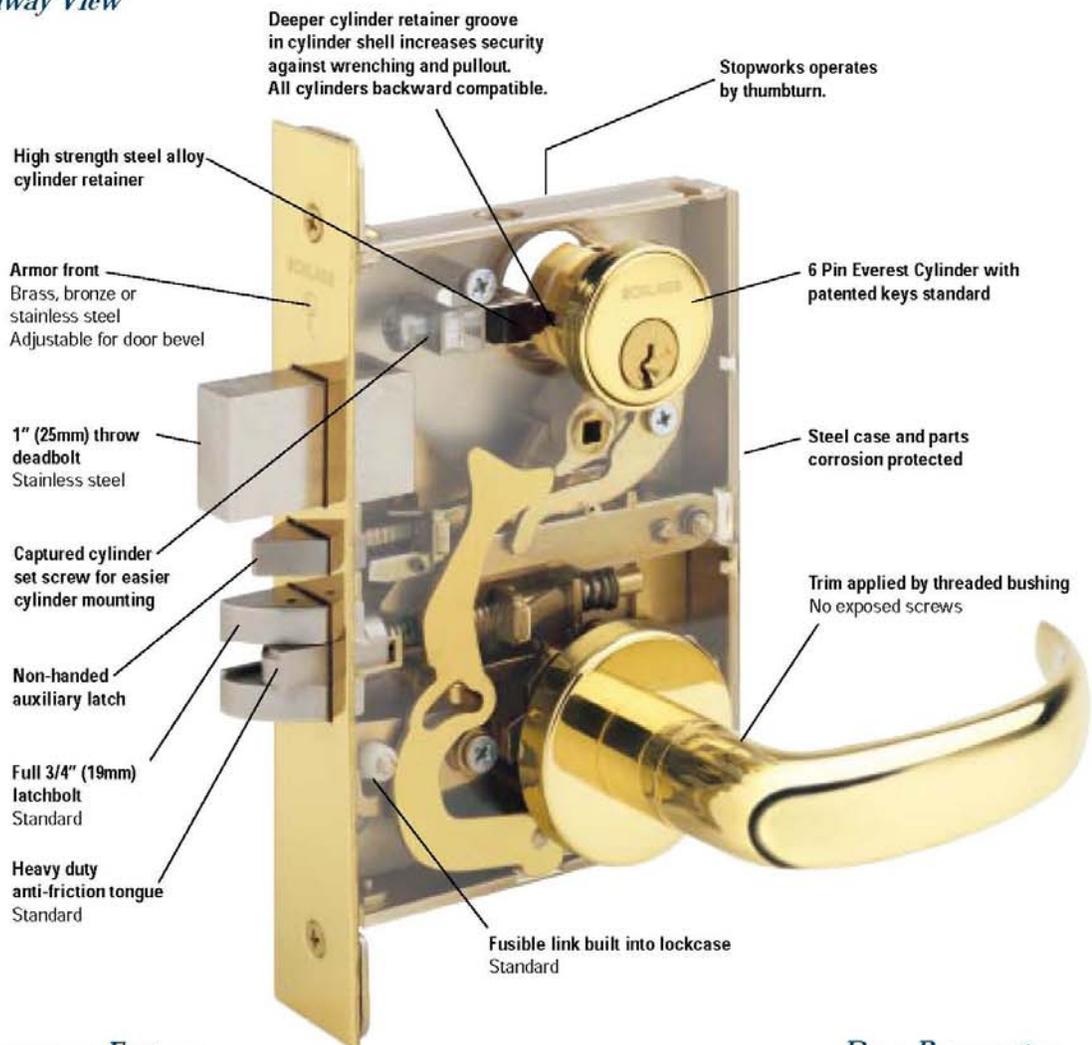
**Latchbolt:** 3/4" (19mm) Throw stainless steel with anti-friction tongue.

**Backset:** 2 3/4" (70mm) Only.



**L** SERIES

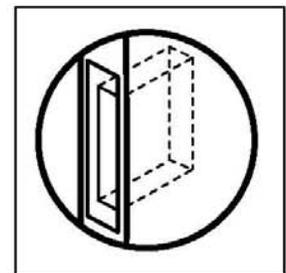
*Cutaway View*



*Performance Features*

- Exceeds ANSI A156.13 Grade 1 lever torque requirements.
- Exceeds 800,000 cycle ANSI Grade 1 requirements.
- Grade 1 security with concealed mortise cylinder.
- Grade 2 security with full face mortise cylinder.
- U.L. Listed for all functions except L9076 and L9077 for 3-hour doors, single fire-rated doors not exceeding four feet in width and ten feet in height.
- Universal lock chassis, one lock case for knobs or levers.
- Replaceable breakaway spindle is designed to resist excessive force from vandalism, preventing damage to lever trim and internal lock case components.
- Solid stainless steel 1½" (38mm) deadbolt, 1" (25mm) projected.
- Heavy duty ¾" (19mm) latchbolt with anti-friction tongue standard.
- Hand is quickly reversible without opening lock case.

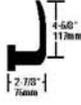
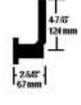
*Door Preparation*



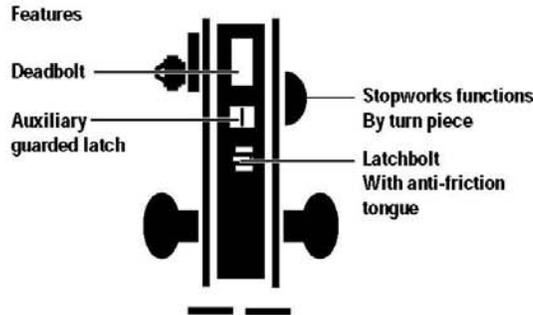
See templates.

*Note: L-Series mortise locks meet all requirements for installation in doors and frames prepared in accordance with ANSI 115.1.*

*Lever Designs & Finishes*

 <p>01 Material: Forged brass and cast stainless steel Finishes: 625, 626, 630</p> <p>613 ♿</p> 	 <p>07 (<i>D Athens</i>) Material: Forged brass, bronze, and cast stainless steel Finishes: 605, 606, 612, 613, 625, 626, 629, 630</p> <p>611 ♿</p> 
 <p>02 Material: Forged brass and cast stainless steel Finishes: 625, 626, 630</p> <p>625 ♿</p> 	 <p>12 Material: Forged brass, bronze, and cast stainless steel Finishes: 605, 606, 612, 613, 625, 626, 629, 630 <i>Specify door hand</i></p> <p>605 ♿</p> 
 <p>03 Material: Forged brass, bronze, and cast stainless steel Finishes: 605, 606, 612, 613, 625, 626, 629, 630</p> <p>625 ♿</p> 	 <p>17 (<i>D Sparta</i>) Material: Forged brass, bronze, and cast stainless steel Finishes: 605, 606, 612, 613, 625, 626, 629, 630</p> <p>625 ♿</p> 
 <p>05 Material: Forged brass, bronze, and cast stainless steel Finishes: 625, 626, 630</p> <p>612 ♿</p> 	 <p>18 Material: Forged brass, bronze, and cast stainless steel Finishes: 605, 606, 612, 613, 625, 626, 629, 630</p> <p>605 ♿</p> 
 <p>06 (<i>D Rhodes</i>) Material: Forged brass, bronze, and cast stainless steel Finishes: 605, 606, 612, 613, 625, 626, 629, 630</p> <p>626 ♿</p> 	 <p>93 Material: Extruded brass, bronze, or stainless steel Finishes: 605, 606, 612, 613, 625, 626, 629, 630</p> <p>625 ♿</p> 

*Functions*



**Product Identification**

**L 9 4 53 P**

**Cylinder Suffix**

- P = 6-Pin Full Face Mortise Cylinder with Schlage Logo\*
- L = Less Full Face Cylinder
- C = Concealed Mortise Cylinder
- W = Less Concealed Cylinder
- R = Full Size Interchangeable Core with Schlage Logo
- J = Less Full Size Interchangeable Core
- F = Full Size Interchangeable Core Less Schlage Logo
- T = Full Size Construction Core
- BD = SFIC Less Core
- BDC = Disposable SFIC
- GD = Everest® Patented SFIC
- HD = Construction SFIC

**Function**

- 0 = No Deadbolt
- 1 = Dummy Trim
- 4 = With Deadbolt

**Lock Case**

- 0 = Dummy Trim without Lock Case
- 9 = Functions with Lock Case

**Lock Series**

\* To order less Schlage logo specify lock "with K510-612 faceplate".

**SFIC = Small Format (Best® Style) Interchangeable Core**

**Symbols**

- Cylinder
- Outside knob or lever
- Inside knob or lever
- Thumbturn
- Thumbturn Cylinder
- Coin turn
- Solid spindle
- Two piece spindle
- Emergency turn piece
- Occupancy indicator

**Mortise Locks—Keyed**

SCHLAGE ANSI

**L9050 F04**



**Office and Inner Entry Lock**

Latchbolt retracted by knob/lever from either side unless outside is made inoperative by key outside or by turning inside thumbturn. When outside is locked, latchbolt is retracted by key outside or by knob/lever inside. Outside knob/lever remains locked until thumbturn is returned to vertical or unlocked by key. Auxiliary latch deadlocks latchbolt when door is closed.

**L9056**



**L9050 With Simultaneous Retraction**

Latchbolt retracted by knob/lever from either side unless outside is made inoperative by key outside or by rotating inside thumbturn. Outside knob/lever unlocked by key outside, thumbturn, or closing door. Rotating inside knob/lever simultaneously retracts latchbolt and unlocks outside knob/lever. Auxiliary latch deadlocks latchbolt when door is closed. (Previously XL11-776)

**L9060 F09**



**Apartment Entrance Lock**

Latchbolt retracted by knob/lever from either side unless outside is locked by key from inside. When locked, latchbolt retracted by key outside or knob/lever inside. Auxiliary latch deadlocks latchbolt when door is closed.

**L9070 F05**



**Classroom Lock**

Latchbolt retracted by knob/lever from either side unless outside is locked by key. Unlocked from outside by key. Inside knob/lever always free for immediate exit. Auxiliary latch deadlocks latchbolt when door is closed.

**Mortise Locks—Keyed**

SCHLAGE ANSI

**L9071**



**Classroom Security Lock**

Latchbolt retracted by knob/lever from either side unless outside is locked by key from either side. When locked, latchbolt retracted by key outside or knob/lever inside. Auxiliary latch deadlocks latchbolt when door is locked.

**L9076 F06**



**Classroom Holdback Lock**

Latchbolt retracted by knob/lever from either side unless outside is locked by key. When locked, latchbolt retracted by key outside or knob/lever inside. Auxiliary latch deadlocks latchbolt when door is closed. Depress inside knob/lever and turn key 360° for holdback feature.

**L9077**



**Classroom Security Holdback Lock**

Latchbolt retracted by knob/lever from either side unless outside is locked by key from either side. When locked, latchbolt retracted by key outside or knob/lever inside. Auxiliary latch deadlocks latchbolt when door is locked. Depress inside knob/lever and turn key 360° for holdback feature.

**L9080 F07**



**Storeroom Lock**

Latchbolt retracted by key outside or by knob/lever inside. Outside knob/lever always inoperative. Auxiliary latch deadlocks latchbolt when door is closed.

**L9080EL**



**Electrically Locked (Fail Safe)**

Outside knob/lever continuously locked by 24V AC or DC. Latchbolt retracted by key outside or by knob/lever inside. Switch or power failure allows outside knob/lever to retract latchbolt. Auxiliary latch deadlocks latchbolt when door is closed. Inside knob/lever always free for immediate exit.

**L9080EU**



**Electrically Unlocked (Fail Secure)**

Outside knob/lever unlocked by 24V AC or DC. Latchbolt retracted by key outside or knob/lever inside. Auxiliary latch deadlocks latchbolt when door is closed. Inside knob/lever always free for immediate exit.

# Architectural Hinges

## Full Mortise

### Five Knuckle



#### Ball Bearing - Standard Weight

For use on medium weight doors or doors requiring medium frequency service

**\*BB1191** Brass with Stainless Steel pin  
- ANSI A2112  
Stainless Steel with Stainless Steel pin  
- ANSI A5112\*

**BB1279** Steel with Steel pin  
- ANSI A8112

- Two ball bearings
- Non-rising removable pin with button tip and plug

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 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



#### Ball Bearing - Standard Weight - Wide Throw

For use on medium weight doors or doors requiring medium frequency service

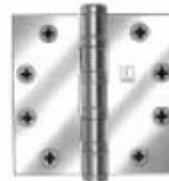
**BB1191** Wide Throw  
Brass with Stainless Steel pin  
- ANSI A2112  
Stainless Steel with Stainless Steel pin  
- ANSI A5112

**BB1279** Wide Throw  
Steel with Steel pin  
- ANSI A8112

- Two ball bearings
- Non-rising removable pin with button tip and plug

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

### Five Knuckle



#### Ball Bearing - Heavy Weight

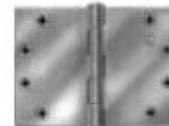
For use on heavy weight doors or doors requiring high frequency service

**BB1168** Steel with Steel pin  
- ANSI A8111

**BB1199** Brass with Stainless Steel pin  
- ANSI A2111  
Stainless Steel with Stainless Steel pin  
- ANSI A5111

- Four ball bearings
- Non-rising removable pin with button tip and plug

Hinge Size		Gauge of Metal	Hole Count	Screw Size	
Inches	mm			Machine	Wood
4 1/2 x 4	114 x 102	0.180	8	1/2 x 12-24	1 1/4 x 12
4 1/2 x 4 1/2	114 x 114	0.180	8	1/2 x 12-24	1 1/4 x 12
5 x 4	127 x 102	0.190	8	1/2 x 12-24	1 1/4 x 12
5 x 4 1/2	127 x 114	0.190	8	1/2 x 12-24	1 1/4 x 12
5 x 5	127 x 127	0.190	8	1/2 x 12-24	1 1/4 x 12
6 x 4 1/2	152 x 114	0.203	10	1/2 x 1/4-20	1 1/2 x 14
6 x 5	152 x 114	0.203	10	1/2 x 1/4-20	1 1/2 x 14
6 x 6	152 x 152	0.203	10	1/2 x 1/4-20	1 1/2 x 14
8 x 6	203 x 152	0.203	16	1/2 x 1/4-20	1 1/2 x 14
8 x 8	203 x 203	0.203	16	1/2 x 1/4-20	1 1/2 x 14



#### Ball Bearing - Heavy Weight - Wide Throw

For use on heavy weight doors or doors requiring high frequency service

**BB1168** Wide Throw  
Steel with Steel pin  
- ANSI A8111

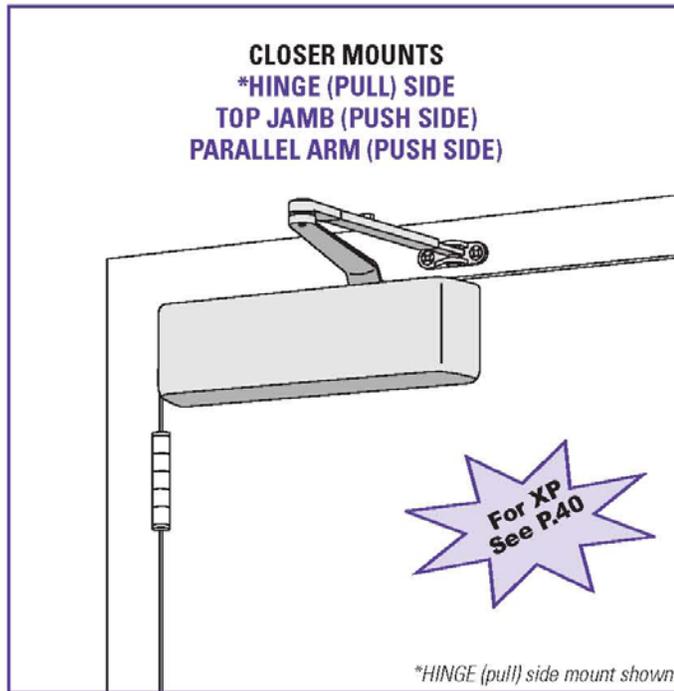
**BB1199** Wide Throw  
Brass with Stainless Steel pin  
- ANSI A2111  
Stainless Steel with Stainless Steel pin  
- ANSI A5111

- Four ball bearings
- Non-rising removable pin with button tip and plug

Hinge Size		Gauge of Metal	Hole Count	Screw Size	
Inches	mm			Machine	Wood
4 1/2 x 5	114 x 127	0.180	8	1/2 x 12-24	1 1/4 x 12
4 1/2 x 6	114 x 152	0.180	8	1/2 x 12-24	1 1/4 x 12
4 1/2 x 7	114 x 178	0.180	8	1/2 x 12-24	1 1/4 x 12
4 1/2 x 8	114 x 203	0.180	8	1/2 x 12-24	1 1/4 x 12
5 x 6	127 x 152	0.190	8	1/2 x 12-24	1 1/4 x 12
5 x 7	127 x 178	0.190	8	1/2 x 12-24	1 1/4 x 12
5 x 8	127 x 203	0.190	8	1/2 x 12-24	1 1/4 x 12

# LCN 4040 SERIES

FEATURES



The 4040 SUPER SMOOTHIE® is LCN's most flexible heavy duty closer designed for institutional and other rugged high traffic applications.

- ▶ Ten Million Cycles
- ▶ Cast Iron
- ▶ Forged Steel Arm
- ▶ Double Heat Treated Steel Pinion
- ▶ All Weather Fluid
- ▶ Non-Handed
- ▶ LCN® Fast™ Power Adjust
- ▶ Fast & Accurate Installation
- ▶ UL & cUL Listed

- ▶ Standard 4040 series closer shipped with regular arm, standard plastic cover, and self reaming and tapping screws. See 4040 Series pages 45-47 for options.
- ▶ Non-sized cylinder is adjustable for interior doors to 5'0" and exterior doors to 4'0".
- ▶ Closer mounts hinge side, top jamb, and parallel arm w/PA Shoe on either right or left swinging doors.
- ▶ Closers to meet ADA requirements. See 4040 Series page 48.
- ▶ Standard or optional custom powder coat finish.
- ▶ Optional plated finish on cover, arm, and fasteners.
- ▶ Optional SRI primer for installations in corrosive conditions.
- ▶ Optional designer series metal cover
- ▶ UL and cUL listed for self-closing doors without hold-open.
- ▶ Tested and certified under ANSI Standard A156.4, grade one.



The 4040 Series includes the LCN FAST™ Power Adjust, a revolutionary visual indicator for Spring Power Adjustment.

MOUNTING					FINISH		COVER		CYLINDER			**ARM FUNCTION											
HINGE (PULL SIDE)	TOP JAMB (PULL)	TOP JAMB (PUSH)	PARALLEL ARM	STOP FACE	POWDER COAT	PLATED	PLASTIC	METAL	DESIGNER METAL	NON-HANDED	NON-SIZED	ACCESSIBILITY	DELAYED ACTION	AVB***	XP	120°	REGULAR (DOUBLE)	STANDARD (SINGLE)	HOLD-OPEN	FUSIBLE LINK	EDA/HEDA	CUSH/HCUSH	SCUSH/HCUSH
●	○	●	○	○	●	●	●	●	●	●	○	○	○	○	○	120°	○	120°	○	180°	110°	110°	

● Available  
○ Not available

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

**LCN.**

**39**

LCN CLOSERS  
121 W. RAILROAD AVE.  
P. O. BOX 100  
PRINCETON, IL, USA 61356-0100

PHONE 800-526-2400  
FAX 800-248-1460  
www.lcn.ingersollrand.com  
3/07

# LCN 4040 SERIES

## PARALLEL ARM (PUSH SIDE) MOUNTING

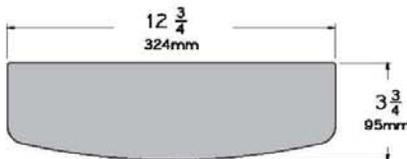
Optional mounting requires PA SHOE, 4040-62PA for REGULAR or HOLD-OPEN arms. Add prefix "P" to closer description (eg. P4041). P4041 closer includes 4040-201 FIFTH HOLE SPACER to support PA SHOE.

## MAXIMUM OPENING

180° opening/hold-open points with all except CUSH arms.

110° opening/hold-open with CUSH arms.

*Optional, Non-handed  
Designer Series  
Metal Cover*

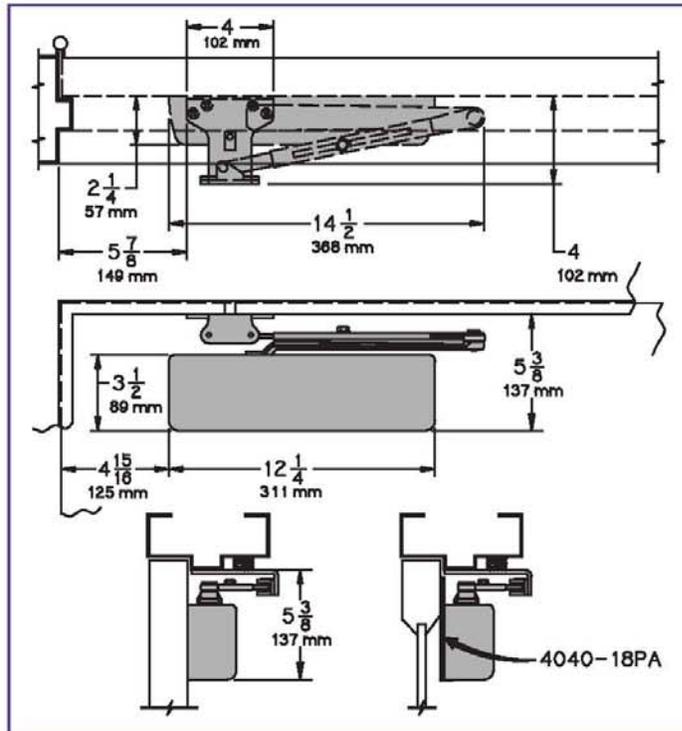


### Options

- ▶ 4040XP cylinder
- ▶ 4041Delayed action cylinder.
- ▶ Hold-open, EDA, HEDA, CUSH, HCUSH, SPRING CUSH, or SPRING HCUSH arm.
- ▶ Metal or lead lined cover.
- ▶ Designer Series metal cover.

### Special Templates

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



MOUNTING DETAILS

- ▶ **Butt Hinges** should not exceed 5" (127 mm) in width.
- ▶ **Auxiliary Stop** is recommended at hold-open point, where the door cannot swing 180°, or where CUSH-N-STOP arm is not used.
- ▶ **Clearance** for 4040-62PA shoe is 4" (102 mm) from door face. EDA shoe projects 5 1/2" (140 mm) from door face. CUSH shoe projects 6" (152 mm) from door face.
- ▶ **Top Rail** less than 5 3/8" (137 mm) measured from the stop requires PLATE, 4040-18PA. Plate requires 2" (51 mm) minimum from the stop. With Designer Series metal cover, use PLATE, 4040-18PADS1
- ▶ **Head Frame** flush or rabbeted requires PA SHOE ADAPTER, 4040-418.
- ▶ **Stop Width** minimum 1" (25 mm). CUSH arm requires minimum 1 1/2" (38 mm).
- ▶ **Blade Stop** clearance requires 1/2" (13mm) BLADE STOP SPACER, 4040-61.
- ▶ **Delayed Action** (not available on 4040XP) Add suffix "DEL" to selected cylinder (eg. P4041 DEL). Delays time adjustable up to approximately 1 minute.

# LCN 4040 SERIES

## CYLINDERS

### CYLINDER, 4041-3071

Standard, non-handed cast iron cylinder assembly.

### CYLINDER, 4040XP-3071

Heavy duty, non-handed cast iron cylinder assembly.

## COVERS

### COVER, 4040-72

Standard, non-handed plastic cover.

### METAL COVER, 4040-72MC

Optional, handed cover. Required for plated finishes and custom powder coat finishes.

### LEAD LINED COVER, 4040-72LL

Optional non-handed plastic cover.

### DESIGNER SERIES METAL COVER, 4040-72DS1

Optional, non-handed designer series metal cover.

## ARMS

### REGULAR ARM, 4040-3077

Non-handed arm mounts pull side or top jamb with shallow reveal. P4041 closer includes PA SHOE, 4040-62PA required for parallel arm mounting.

### PA SHOE, 4040-62PA

Required for parallel arm mounting.

### LONG ARM, 4040-3077L

Optional non-handed arm includes LONG ROD AND SHOE, 4040-79LR for top jamb mount.

### EXTRA LONG ARM, 4040-3077ELR

Optional non-handed arm includes EXTRA LONG ROD AND SHOE, 4040-79ELR for top jamb mount with deep reveal.

### HOLD-OPEN ARM, 4040-3049

Optional, non-handed arm mounts pull side or top jamb with shallow reveal, hold-open adjustable shoe. P4041 closer includes 4040-62PA shoe required for parallel arm mounting.

### LONG HOLD-OPEN ARM, 4040-3049L

Optional non-handed arm includes LONG HEAD AND TUBE, 4040-3048L for top jamb mount.

### EXTRA DUTY ARM, 4040-3077EDA

Non-handed parallel arm features forged, solid steel main and forearm for potentially abusive installations.

### HOLD-OPEN EXTRA DUTY ARM, 4040-3049EDA

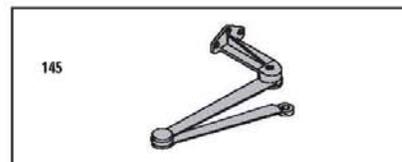
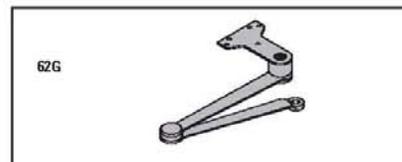
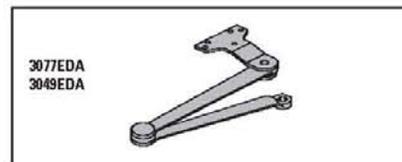
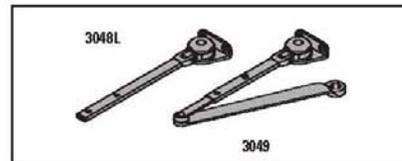
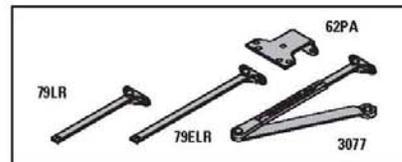
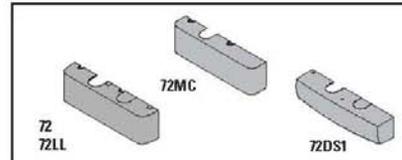
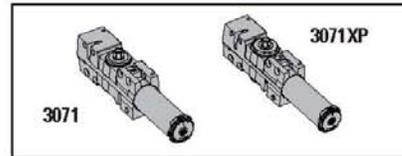
Optional handed arm provides hold-open function, adjustable at the shoe.

### THICK HUB SHOE, 4040-62G

Optional for blade stop clearance, requires special templating.

### FLUSH TRANSOM SHOE, 4040-145

Optional for single rabbeted installations, requires special templating.



ACCESSORIES

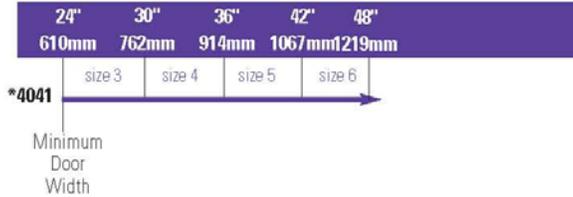
# LCN 4040 SERIES

## TABLE OF SIZES

4041 cylinders are adjustable from size 1 through size 6 and is shipped set to size 3.  
Closing power of 4040 series closers may be adjusted 50%.

→ Indicates recommended range of door width for closer size.

### EXTERIOR (and VESTIBULE) DOOR WIDTH



### INTERIOR DOOR WIDTH



## REDUCED OPENING FORCE 4040 SERIES CLOSERS

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

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

	DOOR WIDTH	36"	42"	48"
	8.5* lbs.	4041	4041	4041
	5.0* lbs.	4041	4041	4041

\* Maximum opening force

## HOW-TO-ORDER 4041 SERIES CLOSERS

### 1. SELECT FINISH

- Standard Powder Coat \_\_\_\_\_  
Aluminum, Dark Bronze, Tan, Statuary, Light Bronze, Black, Brass.

### Closer will be shipped with:

- STANDARD COVER,
- REGULAR ARM,
- SELF-REAMING and TAPPING SCREWS,
- unless options listed below are selected.

## CLOSER OPTIONS

### CYLINDER

- Delayed Action (DEL)

### COVER

- Lead Lined (LL)
- Metal (specify right or left hand) (MC)
- Designer Series Metal (non-handed) (DS1)

### FINISH

- Custom Powder Coat (RAL) \_\_\_\_\_  
(handed metal cover required)
- Plated Finish, US \_\_\_\_\_  
(handed metal cover required)
- SRI primer

### ARM

- Regular w/62PA (Rw/PA)
- Regular w/62A (R/62A)
- Long (LONG)
- Extra Long (XLONG)
- Hold-Open (H)
- Hold-Open w/62PA (Hw/PA)
- Long Hold-Open (HLONG)
- EDA (optional -62G or -145)
- HEDA (specify right or left hand, optional-62G or -145)
- Cush-N-Stop (CUSH)
- HCush-N-Stop (HCUSH)
- Spring Cush (SCUSH)
- Spring HCush (SHCUSH)

### OPTIONAL SCREW PACKS

- TB\* w/Self-Reaming and Tapping (TBSRT)
  - Wood & Machine Screw (WMS)
  - TB\*, Wood & Machine Screw (TBWMS)
  - TORX Machine Screw (TORX)
  - TB\* & TORX Machine Screw (TBTRX)
- \* Specify door thickness if other than 1 3/4".

### INSTALLATION ACCESSORIES

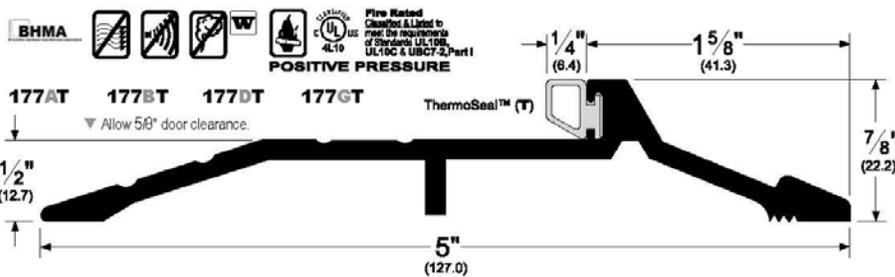
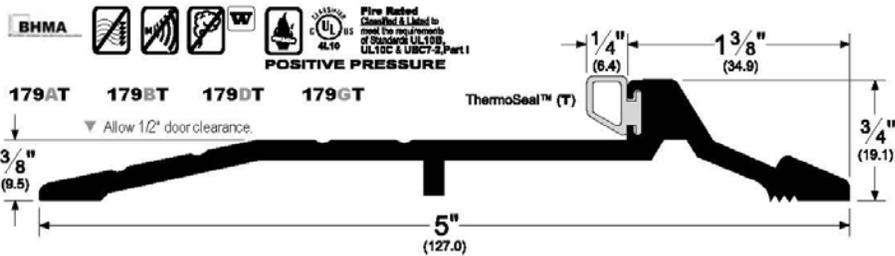
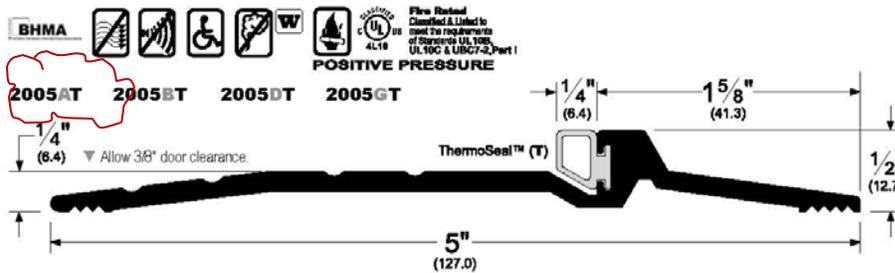
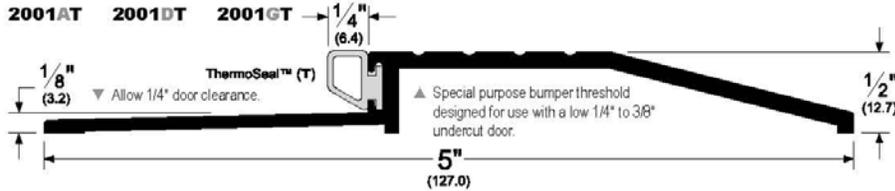
- Plate, 4040-18
- Plate, 4040-18TJ
- Plate, 4040-18G
- Plate, 4040-18PA
- Plate, 4040-18DS1
- Plate, 4040-18TJDS1
- Plate, 4040-18PADS1
- CUSH Shoe Support, 4040-30
- Blade Stop Spacer, 4040-61
- Auxiliary Shoe, 4040-62A
- Soffit Shoe, 4040-65
- PA Shoe Adapter, 4040-418
- CUSH Flush Panel Adapter, 4040-419

### SPECIAL TEMPLATE

- ST- \_\_\_\_\_

## Latching Panic Exit Saddles

- Used in conjunction with surface applied vertical rod exit device, or as a stop and a seal at the bottom of door.
- To make an offset, use an **elevator** (see page 15).



▲ Alternate inserts for 2001



▲ Alternate inserts for 2005



▲ Alternate inserts for 179



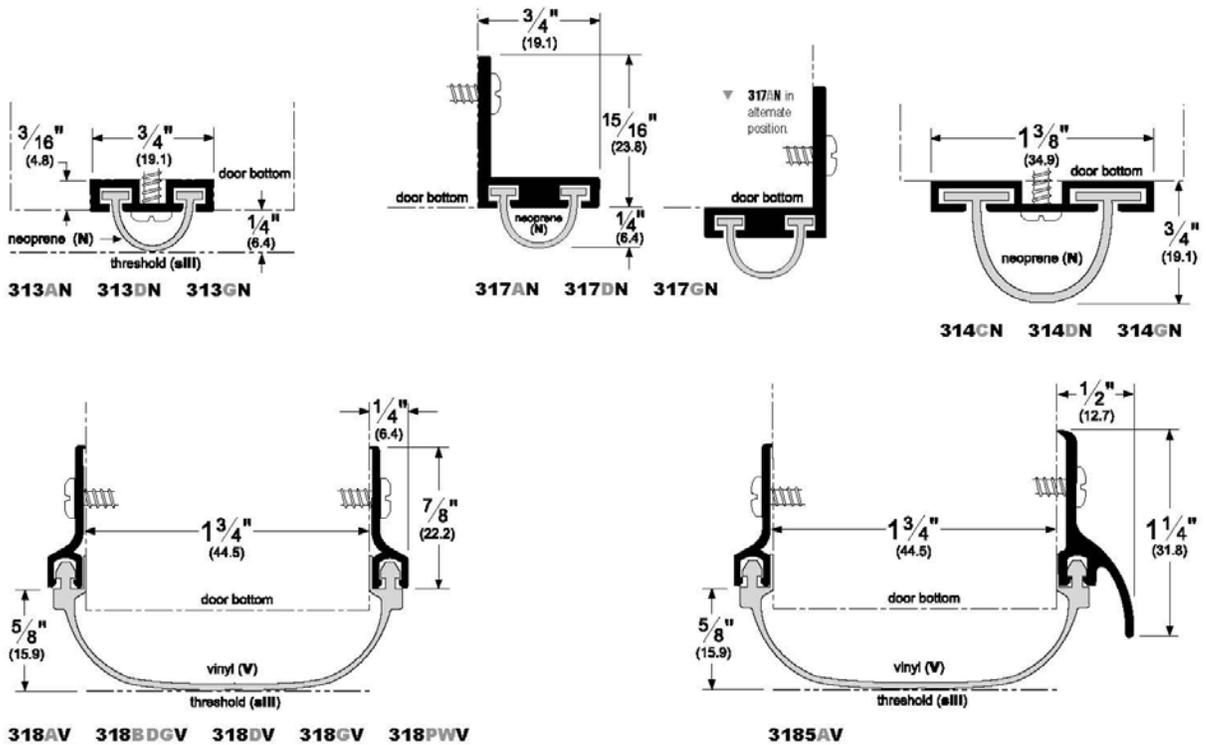
▲ Alternate inserts for 177



▲ Alternate inserts for 1855

▷ **Door Bottoms**

- Specialty door bottoms that may be used in many different applications.
- Some of these shapes may be used as meeting stile gasketing, *see pages 79-80 for examples.*



▷ **Door Top Weatherstrip**

