

OWNER'S MANUAL[®]



OWNER'S MANUAL

Total Door Systems[®] is an integrated system of door body, hardware and accessories. Total Door Systems[®], together with its distributor network, offers single source responsibility for ADA and code compliance systems including installation and service.

For successful operation of the Total Door, it is necessary that the individual parts of the systems work in harmony. Each door is bench tested at the factory for proper operation prior to packaging and shipment. A door that does not pass the bench test is corrected or rebuilt.

The Installation Key will be of help to you in identifying any service problems that you may encounter. Use it in conjunction with Tech Data Sheet #36 which is in Section IV of your manual.

To ensure that you will continue to enjoy the benefits of our product for many years, we want you to know about the Service Seminars that are offered at the factory. These seminars provide an in depth coverage of installation, service and repair issues. Please check our website for seminar schedule and to sign up. <u>http://www.totaldoor.com/</u> The cost of the meals and lodging are covered and the seminar is offered at no charge. Transportation costs are not covered.

If you would like further information or technical support, please contact Total Door Systems' Service Department at 248-623-6899.

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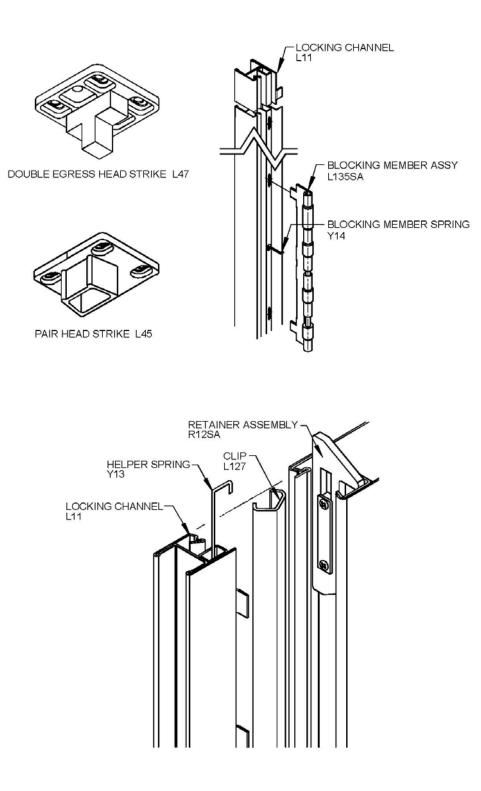
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Latch Side Parts

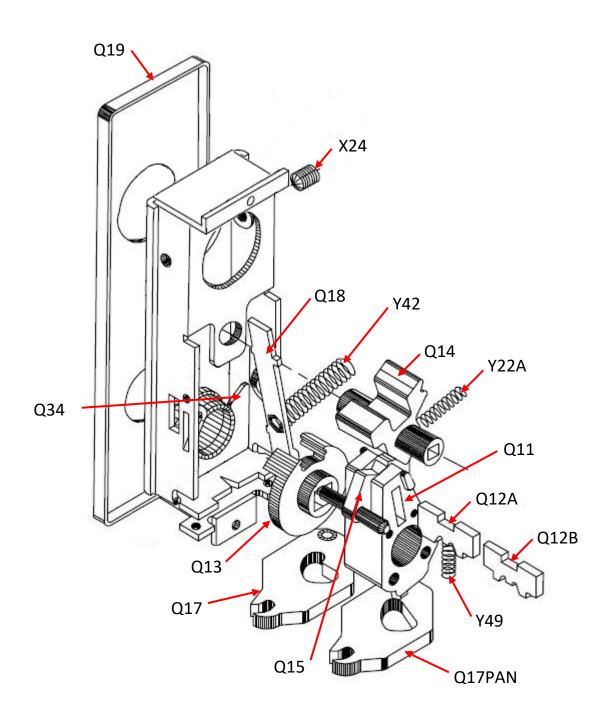
LATCH SIDE PARTS

PART NAME

PART NUMBER

Locking Channel Assembly	L11SA
Blocking Member Assembly	L135ASA
Blocking Member Spring	Y14
Locking Channel Clip	L127
Helper Spring	Y13
Retainer Assembly	R12SA
Latch Stop (single doors)	L55
Latch Stop & Head Stop buttons (10 pack)	Y51
Latch Stop & Head Stop screws (100 pack)	X18
Head Strike – Pair (includes screws)	L45SA
Head Strike – Double Egress (includes screws)	L47SA



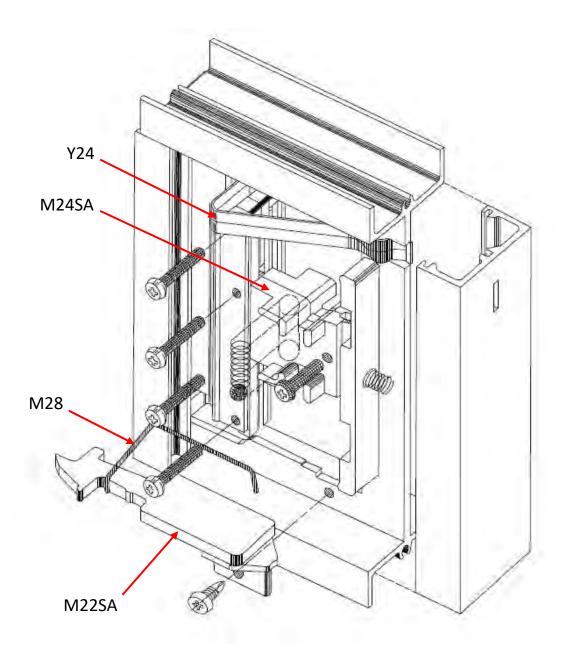


Lever Mechanism Assembly

LEVER MECHANISM ASSEMBLY

PART NAME	PART NUMBER
LOCK MECHANISM	
Actuator – Lever x Lever	Q17
Actuator – Lever x Panic/Flush Panic	Q17PAN
Cam	Q15
Clutch Housing	Q11
Dog – Single	Q12A
Dog – Double	Q12B
Dog spring	Y49
Escutcheon	Q19
Hub	Q13
Hub Stop	Q34
Lever Spring	Y42
Pan Head Screw	X21
Roll Pin	Y12
Set Screw	X24
Spring on Clutch Housing	Y22A
Spring Lever (handed)	Q18
Starlock Washer (Panic & Flush Panic)	X41
Turnpiece Hub	Q14
Spindle Assembly	Y44SA



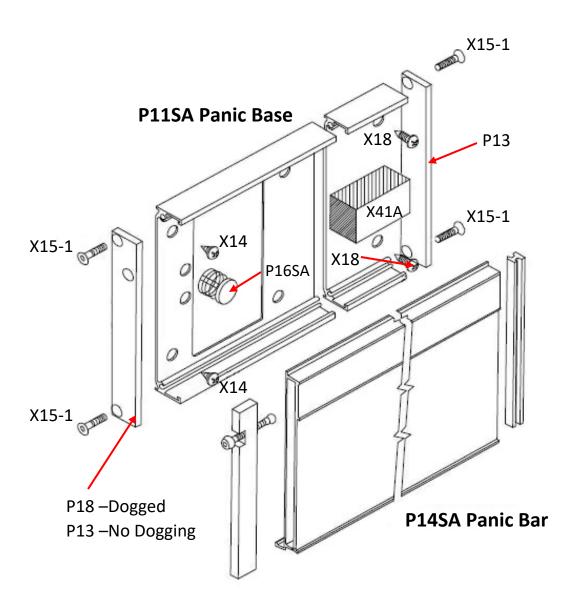


Grip Mechanism Assembly

GRIP MECHANISM ASSEMBLY

PART NAME	PART NUMBER
Actuator Assembly	M22SA
Slide Block Assembly	M22SA M24SA
(includes screws, slide block springs, ball bearing & locking bar)	
Puller Rod	M27
Face Spring	Y24





P14/P14STP Panic Exit Device

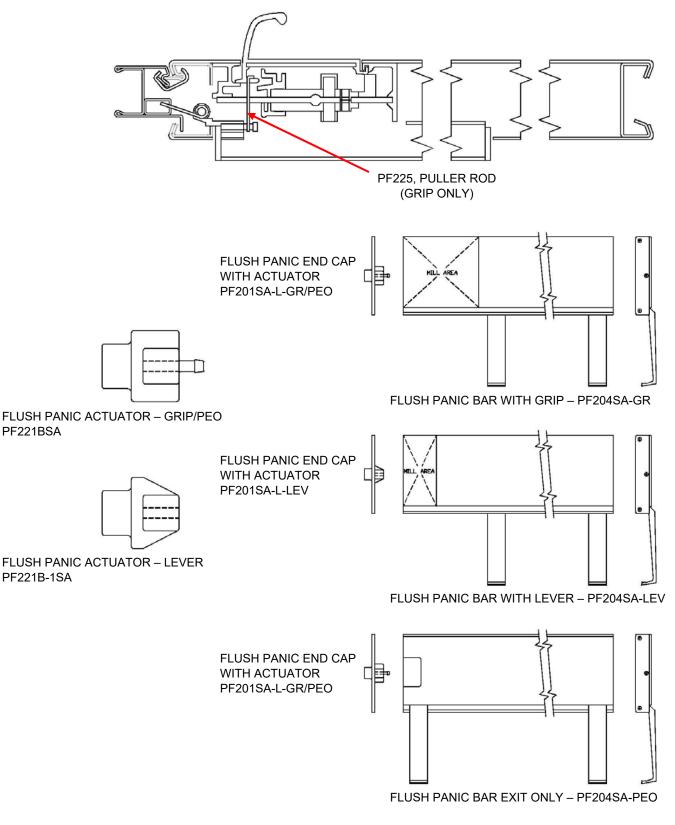
PANIC, P14/P14STP EXIT DEVICE

PART NAME PART NUMBER

Panic Bar Assembly	P14SA
Panic Base	P11SA
Panic Button Assembly	P16SA
Base End Plate (includes screws)	P13
Base End Plate – Dogging (includes screws)	P18
Screws for base end plate	X15-1
Screws for Panic Base – latch side (2 ea.)	X14
Screws for Panic Base – mid & hinge side (4 ea.)	X18
Panic Foam	W41A



PF221BSA



PF200 Flush Panic Exit Device

FLUSH PANIC, PF200 EXIT DEVICE

PART NAME	PART NUMBER
End Cap w/ actuator Hinge Side (includes screws)	PF201SA=H
End Cap w/ actuator Latch Side (includes screws)	PF201SA=L
Panic Bar – PEO	PF204SA-PEO
Panic Bar – Grip	PF204SA-Grip
Panic Bar – Lever	PF204SA-Lev
Actuator for Grip (includes screw)	PF221BSA
Actuator for Lever (includes screw)	PF221B-1SA
Puller Rod (Grip only)	PF225
Face Spring (Grip only)	PFY24
Slide Block Assembly	PFM24SA
Flush Panic end cap (button)	Y96

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Total Door Systems® Pre-Installation Check List

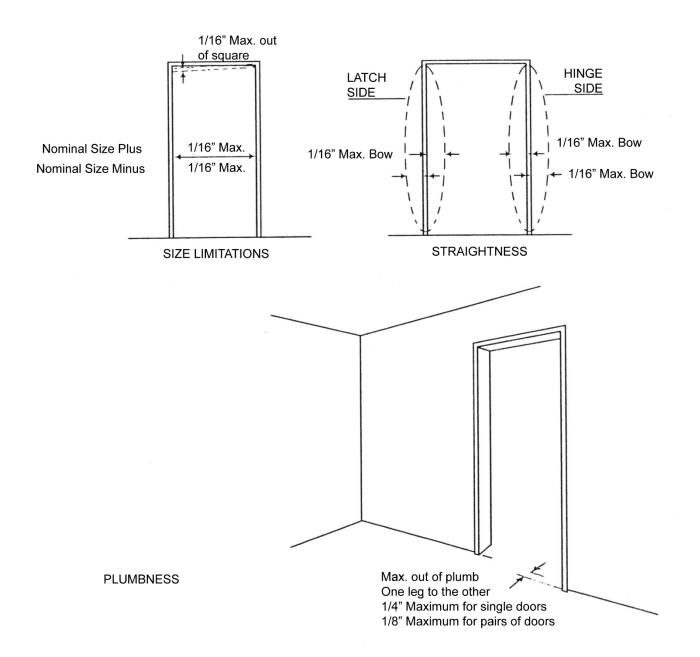
Total Door Systems[®] should never be installed in a frame that is not within stated tolerances.

Installed incorrectly or in a frame that is not within stated tolerances becomes the installer's responsibility. It is not covered by the Total Door Systems[®] Performance Warranty.

Thus, it is especially important in both replacement/renovation projects and new construction that frames be checked for size, straightness, and plumbness.

Field adjustments, including re-setting the frame, should be complete prior to installation.

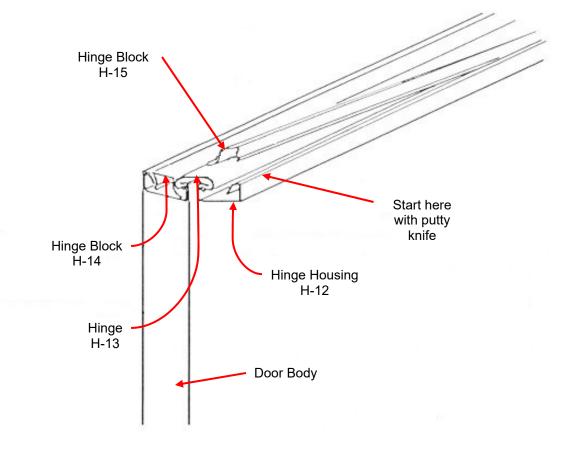
Total Door Systems[®] Dimensional Tolerances: (Note: These tolerances should never be exceeded)



Total Door Systems® Installation Instructions

HINGE SIDE

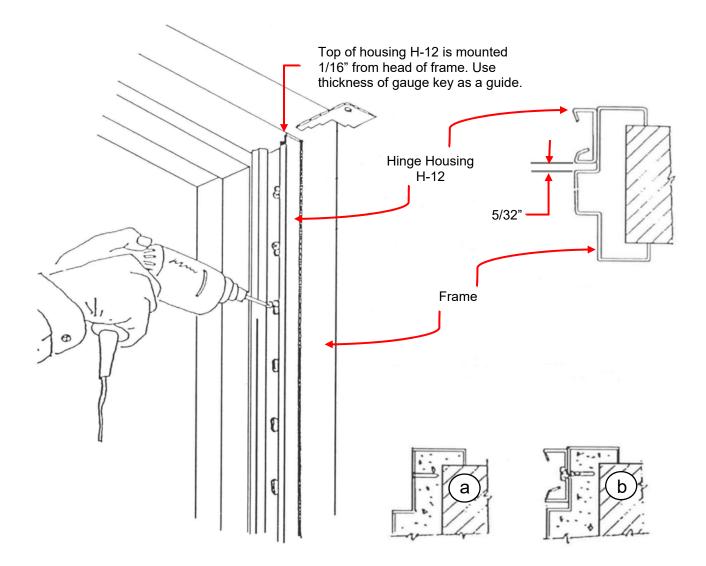
- 1. Pry out hinge block, H-15.
- 2. Hinge housing, H-12, may now be removed.
- 3. Make certain hinge block, H-14, and hinge, H-13, remain securely seated in door stile.



NOTE:

Use putty knife only to begin removal of hinge block, H-15. Use prying action of fingers along full length "ROLL" out the H-15. Do not strip out or rip out the H-15, as this will deform the member.

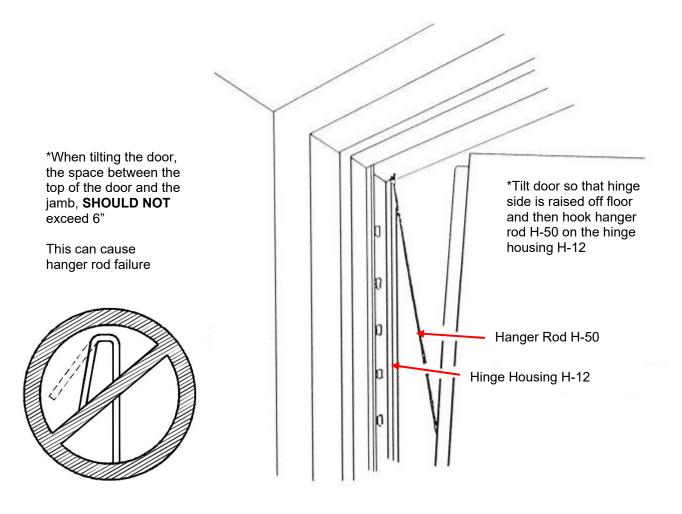
- 4. Place hinge housing, H-12, flat against jamb and 1/16" from frame head, with notch on the pull side. Allow 5/32" clearance between H-12 and rabbet (In a cased opening, H-12 may be flush to 1/16" from edge of jamb on pull side). Use installation key, which is provided, to insure proper tolerances.
- 5. Hold hinge housing, H-12, in position and install 3 #10 Tek (X-65) screws, one at the top ROUND hole, one in the middle slot, and one at the bottom slot. The Tek screws, which are installed in the middle and bottom slots, should be at the bottom portion of those slots.



We have found the following procedure for installation to be fast, secure, and economical.

- a) Use a 1/8" masonry drill bit to drill holes 3/4" deep.
- b) Install the 3 #10 Tek (X-65) screws supplied with the door.

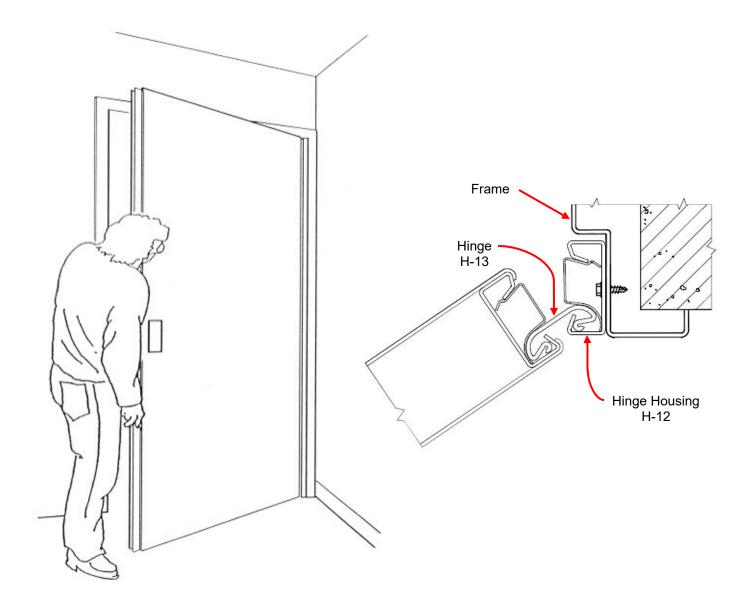
- 6. Stand door up. Place it at approximately 30° angle to the door jamb at the hinge housing, H-12.
- 7. Tilt hinge side of door upwards* to facilitate seating the top hook of the hanger rod in the rectangular slot in the top of the hinge housing, H-12.
- 8. Insert lower hook of stainless steel hanger rod in the rectangular notch on the pull side of the door stile about 24" from the top of the door. The door is now suspended from the frame by the hanger rod.



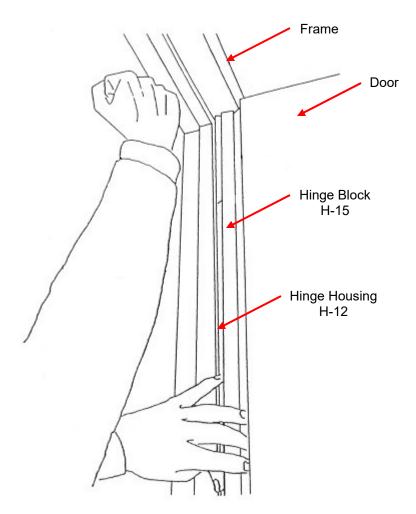
NOTE:

See Technical Data Sheet #40B for installation of H-50.

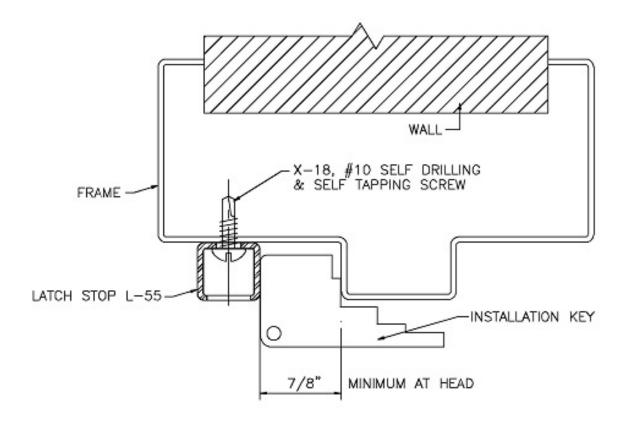
- 9. Lift the latch side of the door so that the hinge side is vertical and parallel to the hinge housing, H-12.
- 10. Move the door towards the hinge housing, H-12, mounted on the jamb and engage the bulb of the hinge, H-13, inside the near lip of the hinge housing, H-12.



11. Assure the bulb of the hinge, H-13, remains securely seated inside the lip of the hinge housing, H-12, by opening the door to its maximum open position. Use the short sections of hinge block material supplied with your parts and snap them into place. This secures the door in the frame while allowing the door to be adjusted either up or down. If there is an adjustment to be made to allow the door to fit in the opening, remove the top screw from the round hole and loosen the middle and bottom screws. Slide the hinge housing as required and re-secure the top screw in the new hole. Tighten middle and bottom screws. Once the door is in the proper location in the opening, install the remaining 12 Tek screws in the remaining slots for a total of 15. Take out the short sections of hinge block material used for adjusting and snap the hinge block, H-15, into place along the full length of the door — starting at the top without deforming the hinge block (if more than hand force is required, use only a rubber mallet, do not use a hammer or other hard object). The door is now installed.



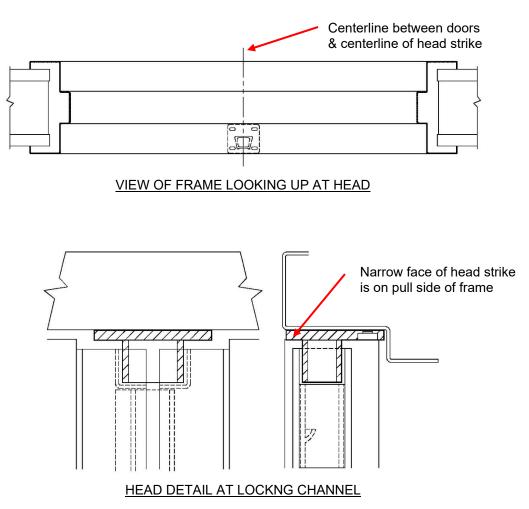
NOTE: FAILURE TO FOLLOW THESE INSTRUCTIONS WILL RESULT IN DOORS NOT LATCHING, NOT LOCKING, OR BEING DIFFICULT TO OPEN OR CLOSE.



LATCH STOP, L55, INSTALLATION PROCEDURE

- 1. Install top screw of latch stop, L55, with back side 7/8" from the frame stop. Use the installation key provided to insure correct tolerances.
- Depress the retainer on the top of the door and straighten the locking channel, L11, to the locked position. Close the door firmly against the latch stop, L55. Press the L55 against the locking channel, L11, and scribe a line on the jamb the length of the L55 on the rabbet side.
- 3. With the L55 on the scribed line, install the bottom and middle screws.
- 4. Test the door for proper operation. If the door operates smoothly and easily, install the balance of the screws and the nylon hole plugs.

Pairs of Doors Installation Instructions



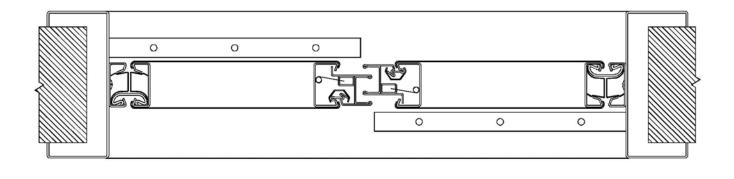
Installation Sequence

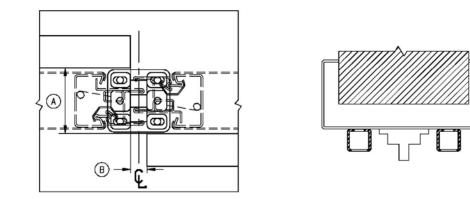
- 1. Check both frame legs for being plumb. If out of plumb 1/8" or more, straighten jambs or mount hinge housings so that both are in the same plane.
- 2. Hang doors, mark centerline between doors and mount strike precisely in center of pair of doors, oriented as shown.
- 3. Latch doors against head strike; check to verify that doors are in line at bottom. If more than 1/8" out of line, remount one or both hinge housings to correct misalignment.
- 4. Space between doors should be 1/4" ± 1/8". If other than 1/4" space between locking channels, adjust tongue. If space is less than 1/16", adjust frame width or reorder doors to suit field condition. If space is over 3/8", put shims under one or both hinge housings to obtain 1/4" space.
- 5. Adjust tongue so that it engages the mating locking channel by 1/8" (± 1/16").
- 6. Use installation key, which is provided, to insure proper tolerances.

Double Egress Doors Installation Instructions

Doors for double egress frames are automatically supplied oversize so that standard width frames may be used. Thus, double egress frames and doors are ordered 6070 or 5070 etc. Each leaf of a pair of doors for a 6070 double egress opening are supplied 3'0-7/16" x 7'0" in order to provide for a 1/4" overlap of the locking channels. The minimum overlap must be 1/8" in order to maintain fire rating.

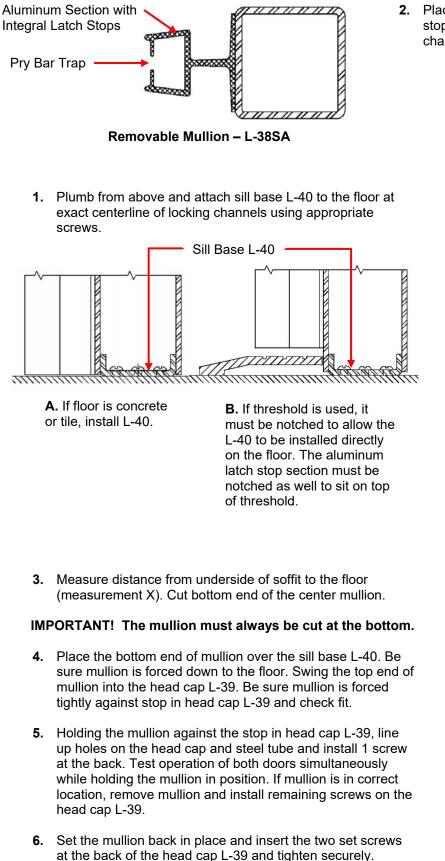
1. Mount double egress doors in plain cased opening with applied head stops.



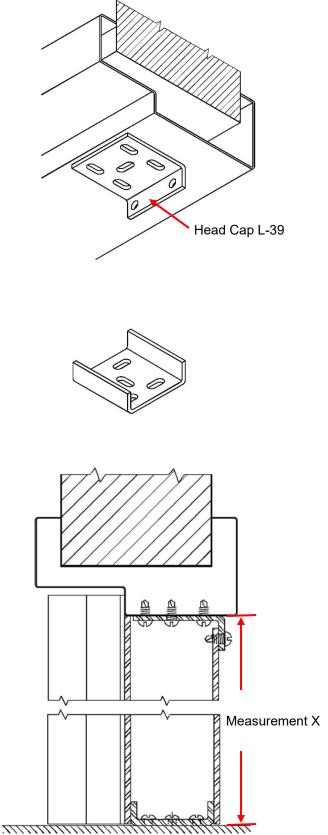


- 2. Distance between head stops (dimension A) must be 2".
- 3. Dimension (B) must always be 1/2" minus zero.

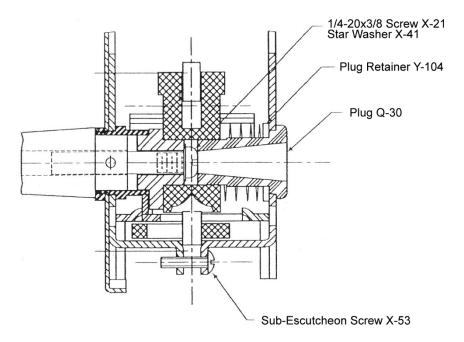
Removable Mullion Installation Instructions



 Place open side of L-39, 1/8" back from the edge of stop on soffit at the exact centerline of the locking channels. Attach L-39 using one screw in slot.



- 1. Remove hinge end cap on panic and slide panic bar 6" toward hinge side of door. Refer to Tech Data Sheet 1F.
- 2. Seat lever into escutcheon.
- 3. Insert Phillips Head screwdriver through plug Q-30 and tighten screw to the lever spindle. Screw must be set tightly to avoid loosening.
- 4. Slide panic bar into position and check operations. Reinstall end cap.



Cylinder Installation

Customers cylinders may be factory or field installed. Any mortise cylinder (not longer than 1-3/8" nor shorter than 1-1/8" with standard cam) may be used. See Tech Data Sheet #25-05.

- 1. Remove the hinge side panic end plate and slide the panic bar back to access the mechanism. Hold hand over panic as you slide bar back to catch the panic button, which will pop out.
- 2. Loosen top screw in the mechanism housing, approximately six (6) turns and then loosen the bottom screw approximately one and one half (1-1/2) turns.
- 3. Tilt the top of the pull side lever mechanism outwards so that the cylinder setscrews on the side of the mechanism can be loosened.
- 4. Screw cylinder into lever mechanism. Make certain that cam leg points toward top of mechanism when key is removed. Tighten setscrews firmly against cylinder.
- 5. Re-tighten top and bottom screws in mechanism.
- 6. Slide panic bar back into position after replacing the panic button assembly and replace the hinge side panic end plate.

Lever Handle and/or Cylinder Installation

The lock mechanism with escutcheons is installed at the factory. The lever handles are shipped in a separate container with the door.

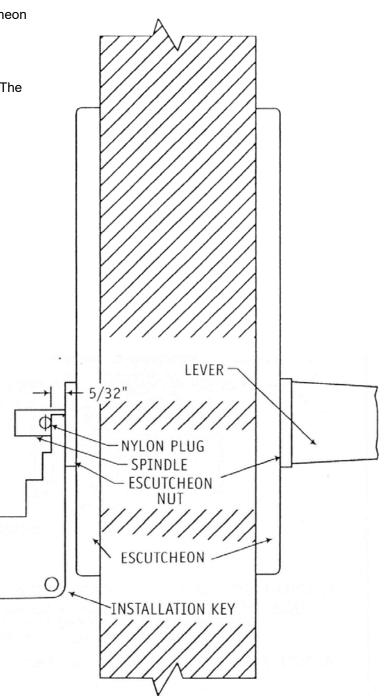
Levers Installation

- Install the outer lever complete with swivel spindle. Make certain that the swivel spindle is adjusted so that the distance from the nylon plug to the face of the escutcheon nut is 5/32". The nylon plug must be horizontally positioned to receive the lever setscrew.
- 2. Install the inner lever and tighten the setscrew firmly. The setscrew **must seat into the nylon plug.**
- 3. Test operation of levers.

Cylinder Installation

Customers cylinders may be factory or field installed. Any mortise cylinder (not longer than 1-3/8" nor shorter than 1-1/8" with standard cam) may be used. See Tech Data Sheet #25-05.

- 1. Loosen setscrew and remove inside lever. Then remove outside lever.
- 2. Remove escutcheon nut from escutcheon plate on the non-secured side with the tool provided and remove the escutcheon plate.
- Loosen top screw in the mechanism housing, approximately six (6) turns and then loosen the bottom screw approximately one and one half (1-1/2) turns.
- 4. Tilt the top of the pull side lever mechanism outwards so that the cylinder setscrews on the side of the mechanism can be loosened.
- Screw cylinder into lever mechanism. Make certain that cam leg points toward top of mechanism when key is removed. Tighten setscrews firmly against cylinder.
- 6. Re-tighten top and bottom screws in mechanism and install escutcheon plate and levers.



Lock Replacement

1. Remove existing lock.

- A. Loosen set screw on Lever. Remove both handles.
- B. Use spanner wrench to remove escutcheon nuts. Remove both escutcheons.
- C. Remove the two screws located at the top and the bottom of the lock unit and remove lock.

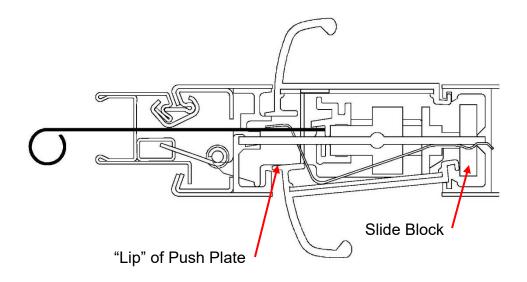
2. Install new lock

- A. Remove top and bottom screws from the new lock mechanism. Separate the two halves of the lock carefully so that all parts stay in place.
- B. With the locking channel in the open position, insert the half of the lock containing the actuator (Part# Q-17, see Parts section 1-3) on the pull side of the door. Make sure that the actuator grips the blocking member (Part# L-135SA, see Tech Data Sheet # 21) as it is installed. Once the first half of the lock is in place and the actuator is seated on the blocking member, install that second half of the lock. Once seated, secure the top and bottom screw.
- 3. Reinstall escutcheon plates and levers. Follow the instructions provided on the previous age.

Push-Pull Grips (Factory Installed)

Removal of Grips NOTE: The Push-Side grip must be removed first

- 1. Open door and depress retainer R12 located at top of door on latch side (this action releases a tab holding locking channel L11 in the unlatched position) and rotate locking channel L11 to latched position (in plane with door body).
- 2. In base of locking channel, at grip height, locate the hole (approximately 1/8" in diameter) for access wire.
- 3. Take access wire tool Y39A and place long end into hole in locking channel. Feel for corresponding hole in door stile.



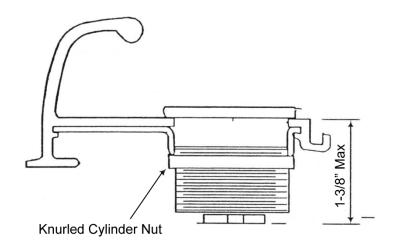
- 4. When wire through both holes, it meets the slide block member of the mechanism. Push access wire toward hinge side of door, pushing the slide block to rear of mechanism.
- 5. Grasp **Push-Side** grip in one hand while holding access wire fully depressed with other hand. Push the hinge side of the grip inward at the same time pulling the entire grip out of mechanism cutout.
- 6. The grip will come free on latch side. Pull grip out of door.
- 7. To remove **Pull-Side** grip, first return locking channel, L11, to the unlatched position. Use access wire to lift puller-rod free of actuator arm, M22.
- 8. Remove **Pull-Side** grip in same manner as Push-Side.

Push-Pull Grips/Cylinders (May be Factory Installed)

When cylinders are not factory installed, Total Door Systems[®] provides one each knurled cylinder nut and one each blocking ring for each cylinder type grip.

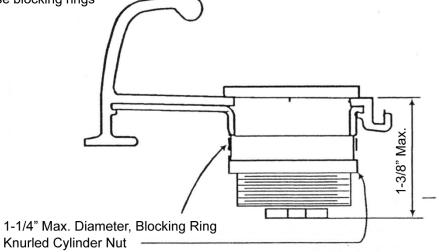
Preferred Installation

The push-pull grip is designed to work with all cylinders up to 1-3/8" long, without collars or blocking rings under the head.



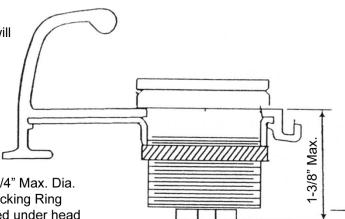
Cylinder Installed with Blocking Ring Under Knurled Nut

If the cylinder is not sufficiently threaded, use blocking rings under the knurled cylinder locking nut.



Cylinder Installed with Blocking Ring Under Head

If the cylinder is more than 1-3/8" long, use blocking rings under the head. Never use cylinder collars on Total Door Systems® grips. Installation of the grips in the mechanism will be very difficult or impossible.

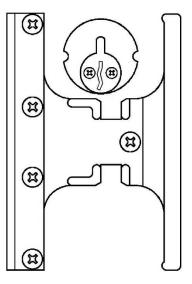


1-1/4" Max. Dia. **Blocking Ring** used under head

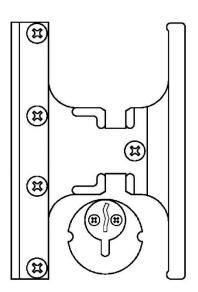
Proper Cylinder Cam and Orientation

Cylinder cam must be Adams Rite cam. (See Tech Data #25-05)

Orientation: Cam of cylinder must be closest to center of mechanism.



Cylinder on one side of door



Cylinder on bottom of one side if both sides have cylinders

Pull Plate

The Pull Plate is distinguished by having a Puller Rod, which attaches to the Actuator in the mechanism. The Pull Plate must be installed **before** the Push Plate.

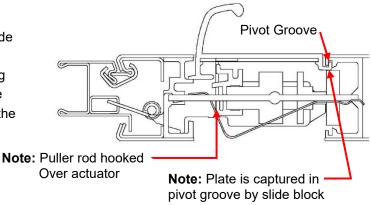
1. Place the Pull Plate in the mechanism as shown.

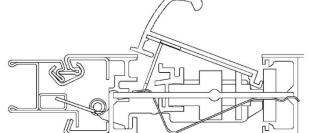
 Push the Pull Plate against the Slide Block and slide both toward the hinge side of the door (in direction of the arrow) until further motion is impossible. Using the access wire provided, reach through the mechanism from the Push Side and pull the Puller Rod over the Actuator.

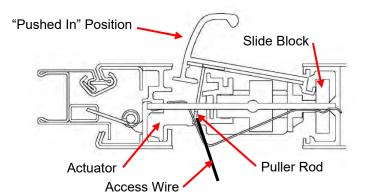
NOTE: During this operation, the Pull Plate must be held in the "pushed in" position.

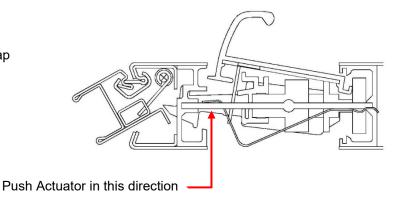
3. Push the Actuator, allowing the Puller Rod to snap over the Actuator. Remove the hooked wire.

4. Return Actuator to position shown. Keeping the Slide Block in the full "pushed in" position from the push side, seat the Pull Plate in the pivot groove. Holding the Pull Plate in the seated position, allow the Slide Block to return, thereby capturing the Pull Plate in the pivot position.

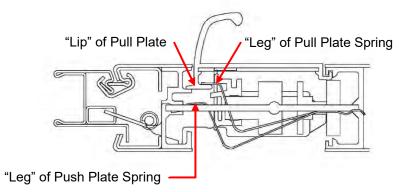






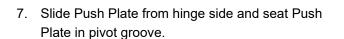


5. Install the two Plate Springs in the mechanism. Hook the leg of the spring that is closest to the center of the mechanism under the lip of the Pull Plate. Hook the other spring (for Push Plate) over the Pull Plate side of the mechanism web. Test the operation of the Pull Plate by opening and closing. Check cylinder or turn piece operation, if applicable.



Pull Plate

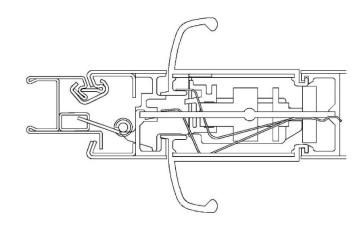
6. Place Push Plate in mechanism as shown.



Push Plate 34

Slide Block "Lip" of Push Plate

8. Wiggle both Pull and Push Plates until Slide Block returns, capturing both plates.



Troubleshooting

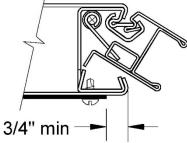
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Latch Side Problems

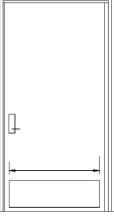
touch the frame.

- 1. Door will not latch.
 - a. Distance from back of Latching Stop to rabbet is less than 7/8" or latch stop is out of line with the door.
 - Latch Base to Frame Stop Use 7/8" portion of "KEY" to 7/8 GO check for minimum distance b. Locking channel touching or appearing to almost **NOTE:** Minimum clearance of 3/32" between frame and locking channel. Locking Channel to Frame Use thickness of "KEY" (3/32") to check for 3/32" GO minimum clearance. 7/16" NO GO c. Kickplate is too wide and mounting screws too
 - long. Due to width of locking channel and hinge members, kickplates should be ordered 4" narrower than nominal opening dimension.

NOTE: This does not apply to kickplates provided and factory installed by Total Door Systems[®].



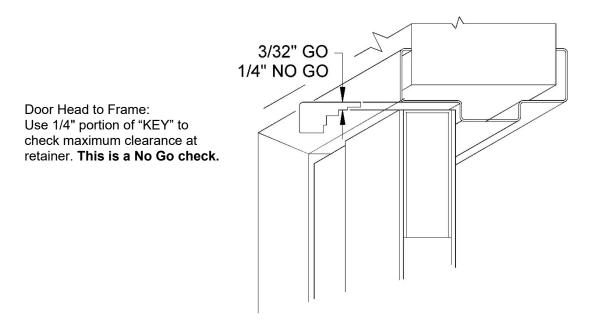
Kick Plate Minimum distance from edge of kickplate to edge of door skin = 3/4"



Kickplate width equals nominal frame size less 4"

Avoid the problems entirely by using Total Door Systems[®] kickplates, factory installed.

- d. Installer has substituted mounting screws when installing panic. Screws over 1/2" long will affect actuator or lip of locking channel. *Interference Similar to #3*
- e. Excess head clearance between door and frame. Retainer cannot disengage from locking channel. Head clearance must be less than 1/4"

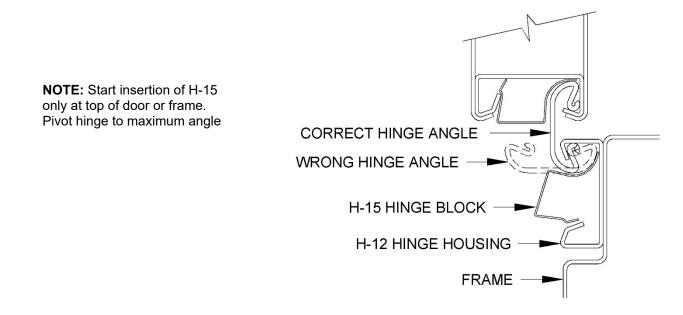


f. Actuator out of synchronization with blocking member. Occurs occasionally during shipping of grip style doors. To correct, hold locking channel in latched attitude while operating push grip.

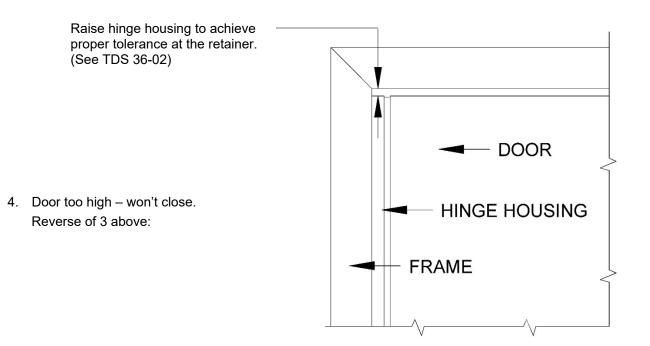
Avoid All Latch Stop Problems by Always Using the Total Door Systems[®] Latch Stop

Hinge Side Problems

- Difficult to engage hinge into hinge housing, H-12. Problem Jamb of frame badly bowed.
 a. Shim H-12 until straight.
- 2. Hinge block, H-15, difficult to install/hinge not fully seated.

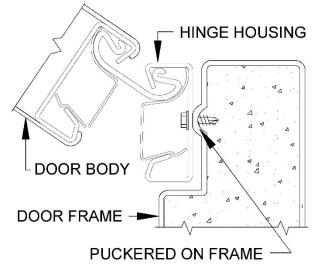


3. Door hangs too low.



Hinge Side Problems (continued)

- 5. Hinge Housing Pulling Away From Frame:
 - a. Install all 15 screws supplied. In hinge housing, H-12, there must be at least 6 screws installed at top.
 - b. If door has been abused and frame is puckered at screw locations, back screws out 3 turns and rap smartly with hammer to form dimple. Retighten screws.
 - c. Do not use explosive fasteners to anchor hinge housing to a fully grouted frame – impact causes concrete to pucker at fastener about 1/16".



6. Hanger Rod Failure

Our experience indicates that there are 3 reasons that hanger rods break.

a. The frame head is sloped down at the latch side and the action of closing the door forces the door downward – thus over-stressing the hanger rod.

SOLUTION: Lower the hinge housing so that there is a 1/16" clearance between the door and frame head at the latch side.

b. The frame hinge jamb is bowed more than 3/16". This puts a bind on the hinge, creating heavy bearing loads. The hanger rod, as it twists during door cycling, becomes shorter, then longer as it straightens out. This means that the door must be free to pump up and down as it opens and closes OR it will be overstressed because its length is restrained due to the bowed hinge jamb.

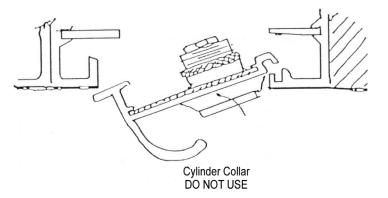
SOLUTION: Shim the hinge housing so that it is brought to straight + 1/8". Please note, a 1/4" bow in the frame CANNOT be discerned by looking. Please use a minimum 6-foot straight edge.

c. Improper procedure during installation (see Tech Data Sheet #40). When the door is hung, if the top is pulled away from the jamb by more than 6", the hanger rod hook will open up, and cause stresses that can lead to failure.

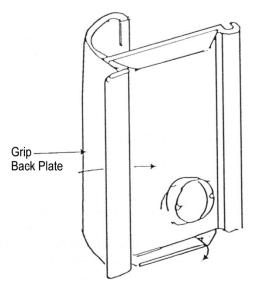
SOLUTION: When hanging or demounting the doors, unhook the hanger rod before pulling the hinge stile more than 6" from the frame.

Grip Problems

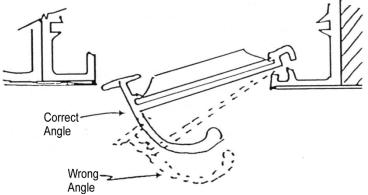
- **1.** Groups Won't Go Into Mechanism
 - a. Do not use cylinder collar. Use blocking ring *smaller* than cylinder head only if cylinder is over 1-3/8".



- **b.** Back plate misaligned center by tapping at top or bottom.
- c. Back plate deformed out or in top and bottom of back plate must be 90 degrees to grip.

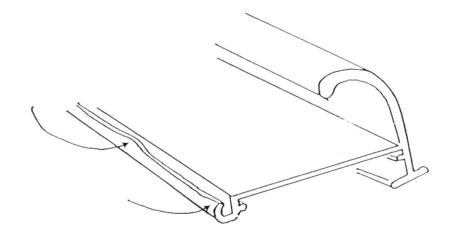


- d. Improper technique on clearing puller rod on pull grip. See Installation Instructions.
- **e.** Grip being installed at too great an angle; use lowest angle possible, especially when using long cylinders.

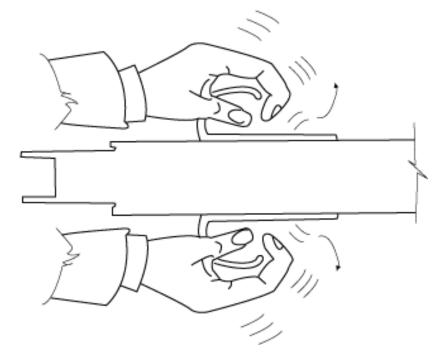


Grip Problems (continued)

- 2. Grips Won't Seat
 - **a.** Check pivot edge of grip for bends or nicks especially if dropped on a hard floor.



b. Try seating both grips simultaneously – use both hands.

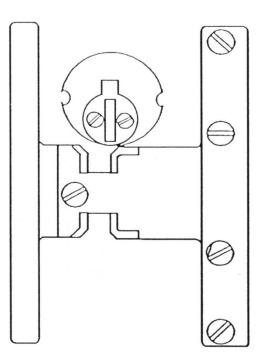


Grip Problems (continued)

- 3. Key Cylinder Doesn't Operate Properly
 - **a.** On removable core Best cylinders, one or both cam rivets are loose or missing.



- b. Cylinder not properly keyed key "drags"
- c. Cylinder installed with wrong orientation by 180 degrees. Correct cam orientation shown.



- **d.** Wrong side of door locks wrong grips used. Puller rod is installed on wrong grip. Remove grips and change puller rod to proper grip.
- Cam wrong length too long or too short use Adams Rite cam designed for Adams Rite #MS 1850A dead bolt lock (the one with the long pivoting dead bolt).
 (See Tech Data Sheet #25)

Technical Data Sheets

Exit Devices

Flush Panic Bar and Trim Removing Flush Panic Bar Dimensions Standard Panic Assembly Field Door Preparation for Standard Panic

Weather Seal

Weather Seal for Pairs Weather Seal for Single Doors Pair Head Strike Weather Seal

Hinge Side Components

H-17 Hanger Rod Installation H-50 Hanger Rod Installation Hinge Part Parts and Numbers Pivot Point of Hinge Rigidized Hinge

Installation

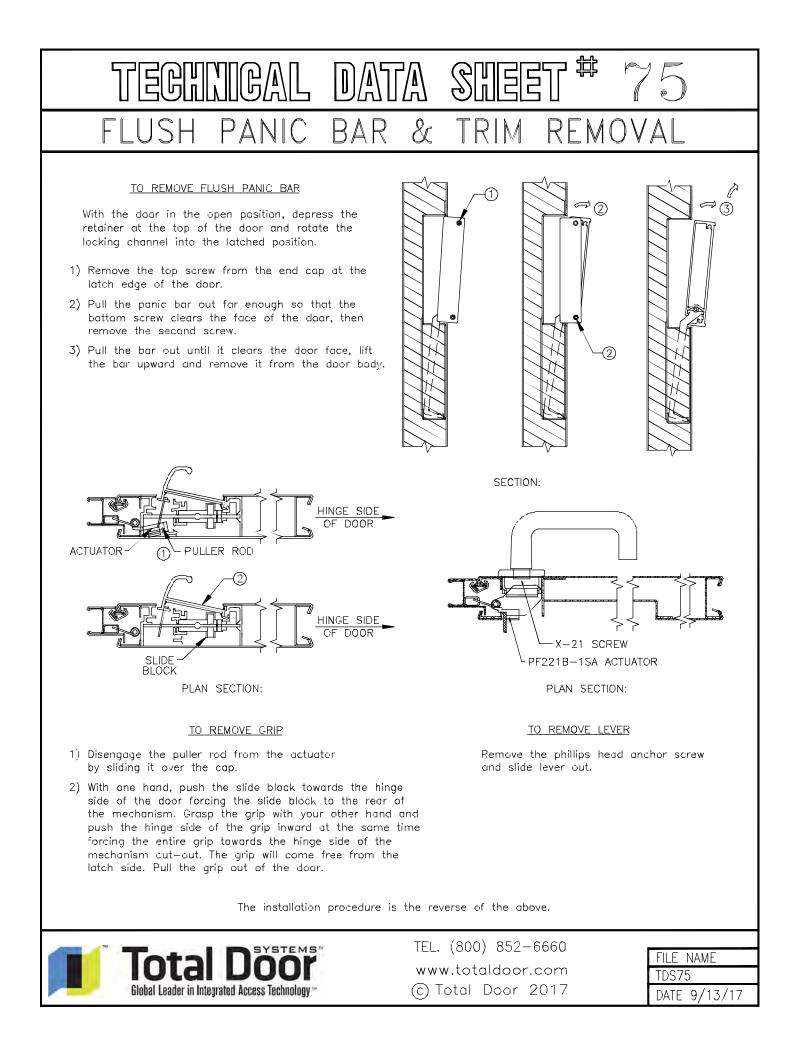
Installation Key

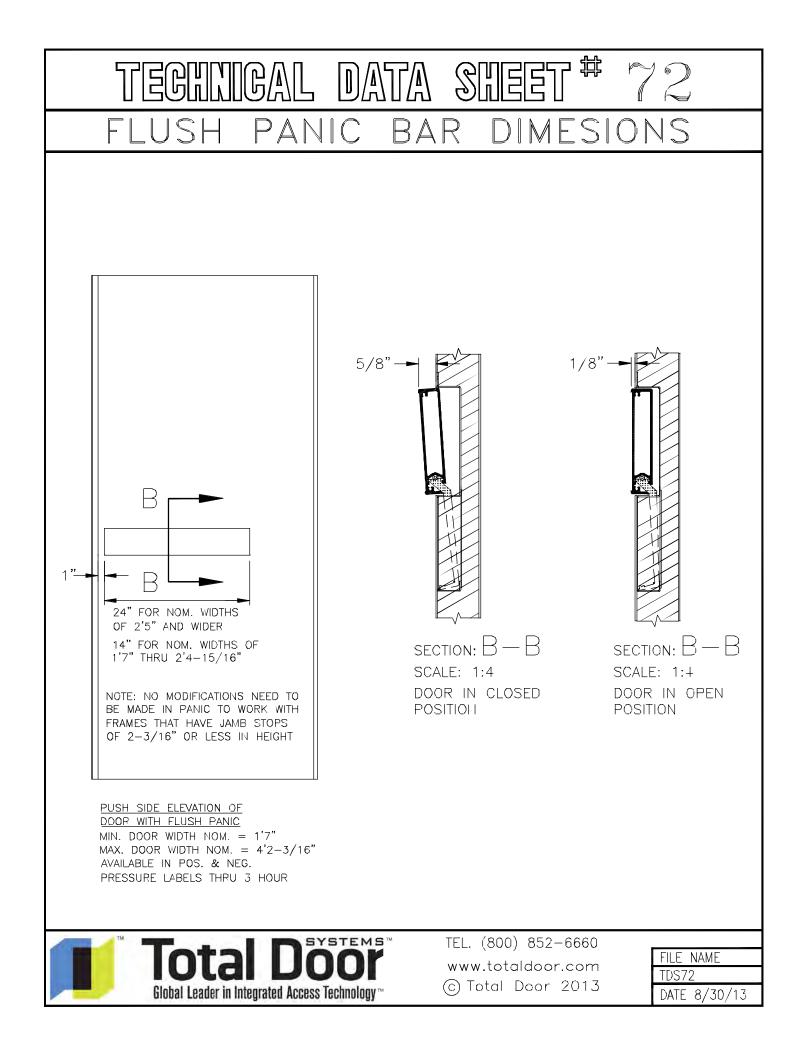
Latch Side Components

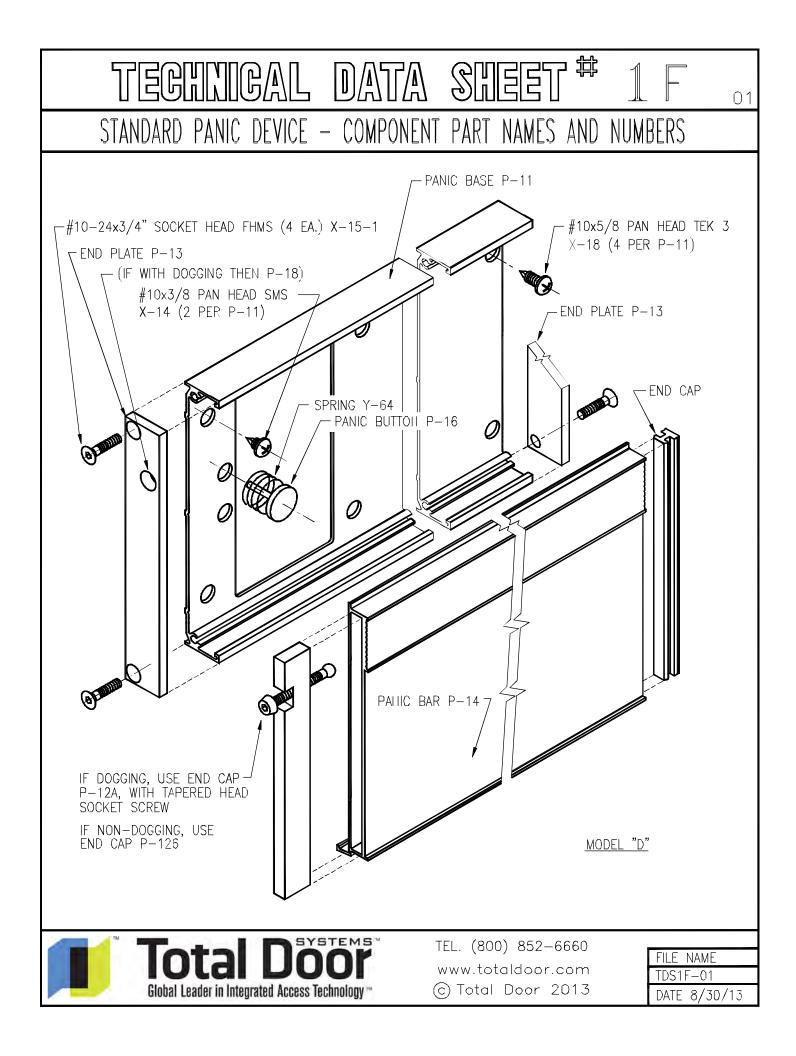
Double Egress Pair Detail Double Egress Prep for 3 Step Frame Helper Spring Latch Side Parts and Numbers Latch Stop L-55 Locking Channel Parts and Numbers Removable Mullion Detail Standards for Pairs

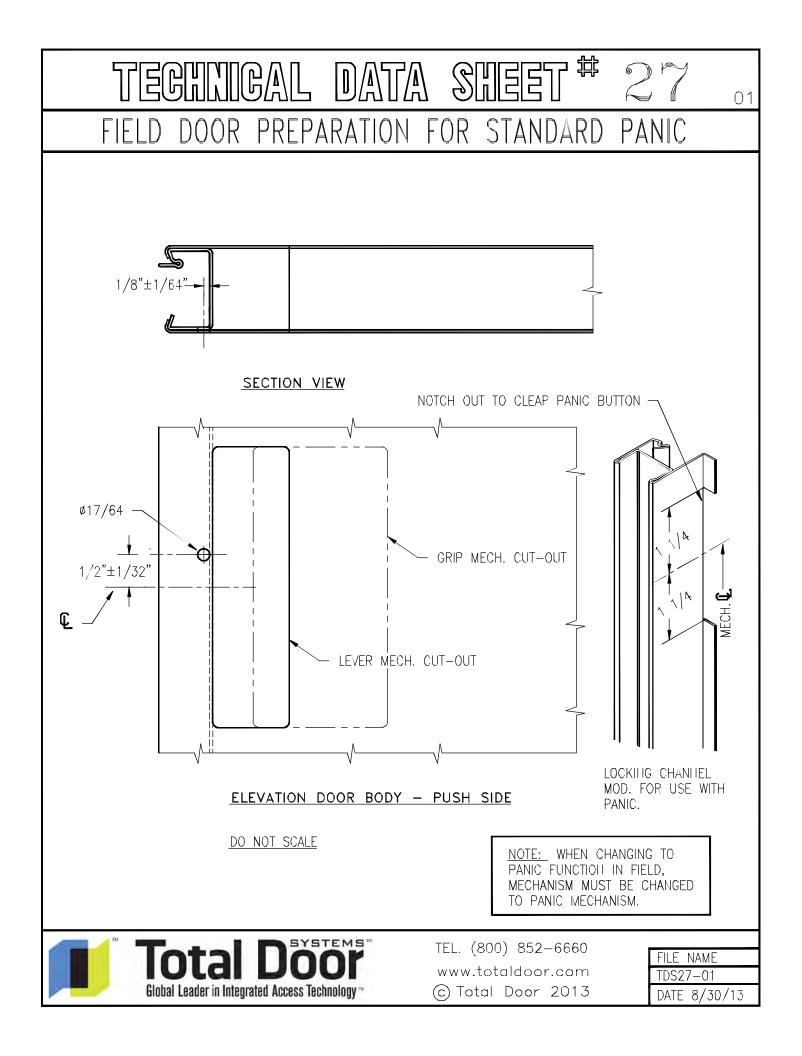
Mechanism

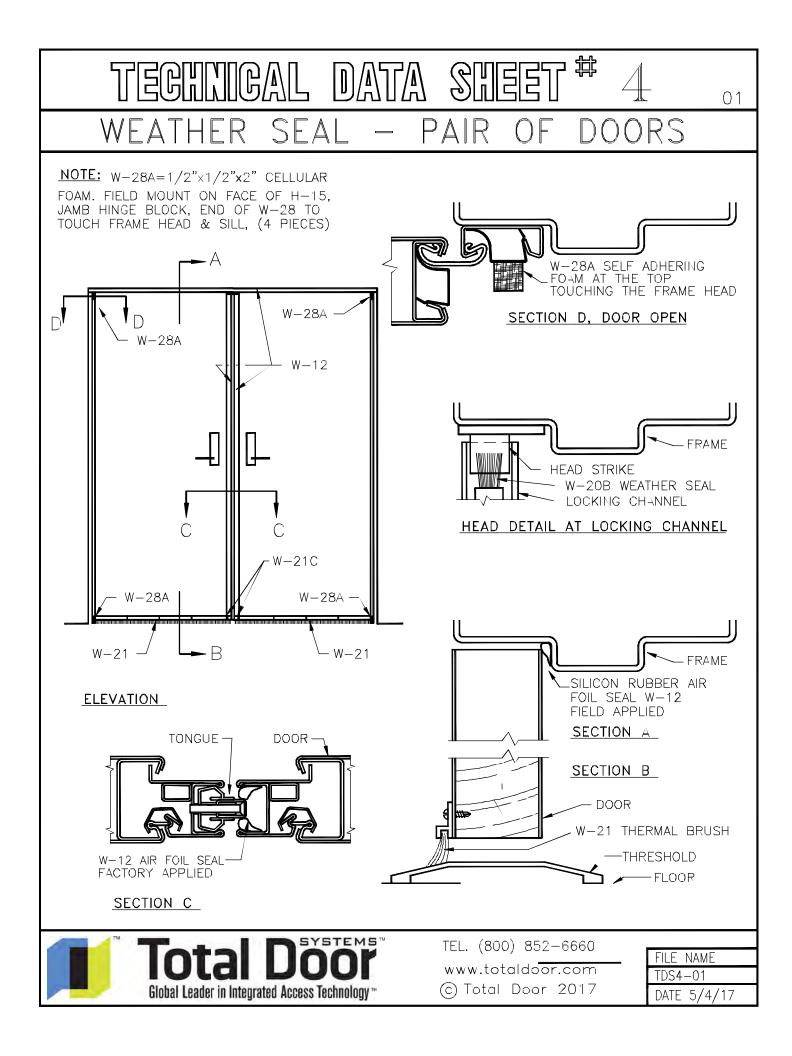
Cylinder Standards Escutcheon Installation Lever Designs Lever Spindle Fastening Push Pull Mechanism Parts and Numbers

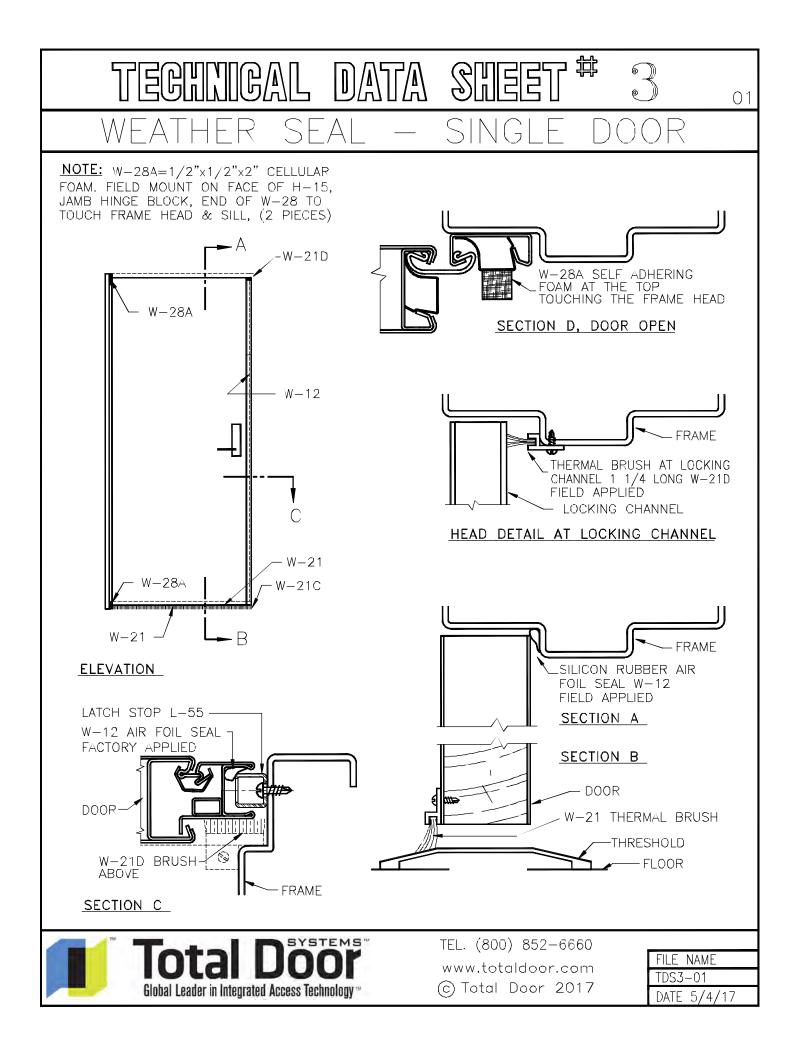


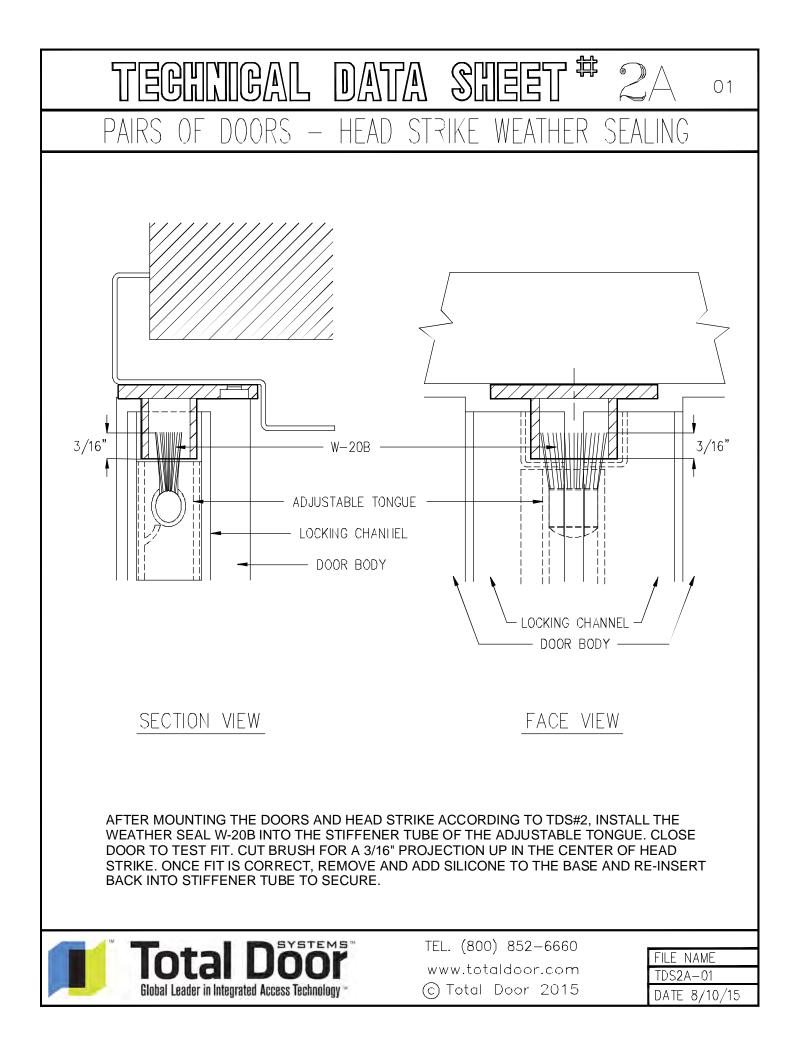


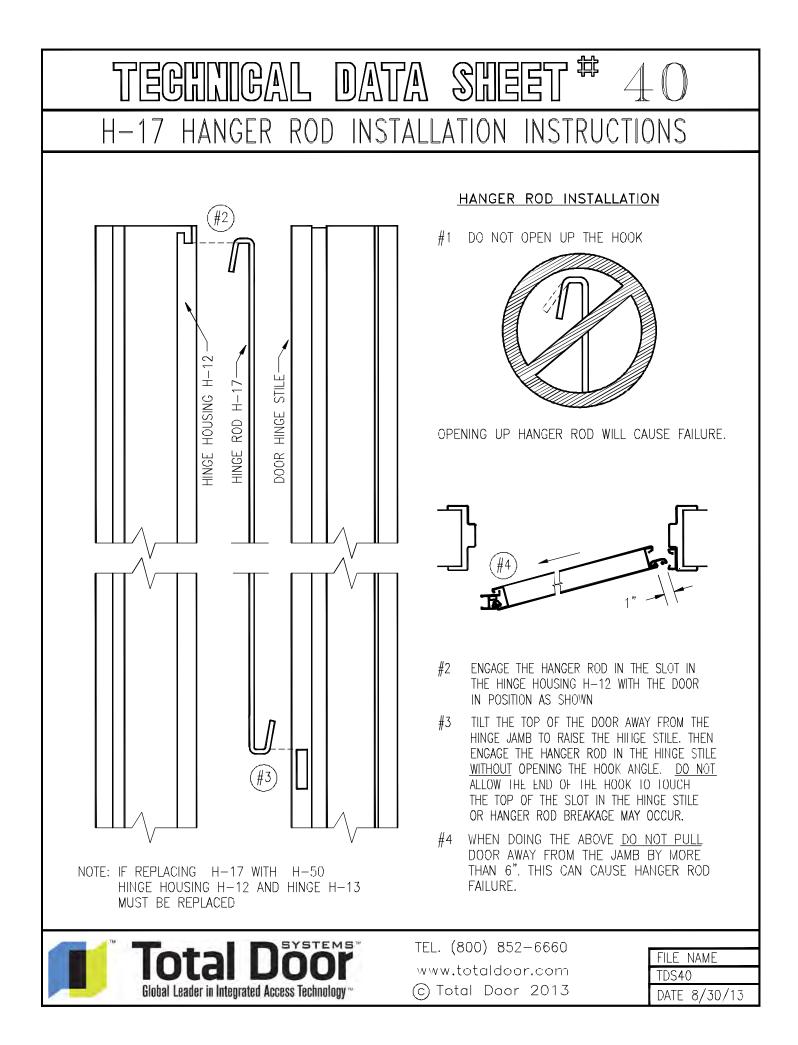


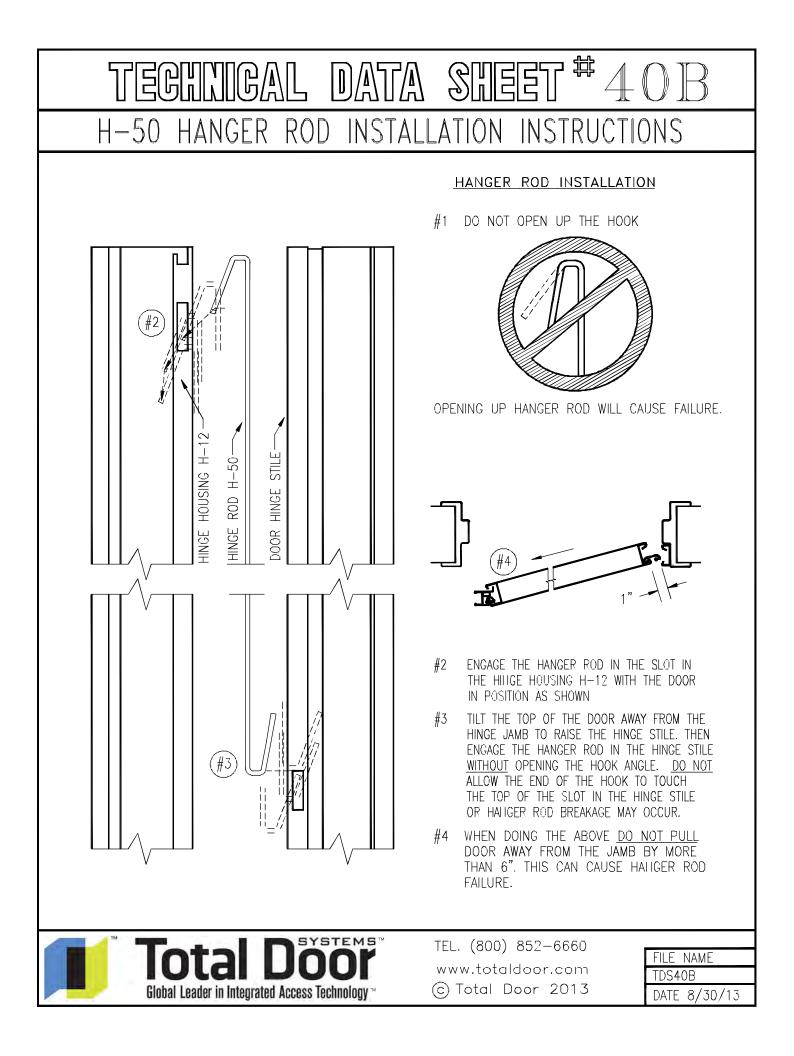


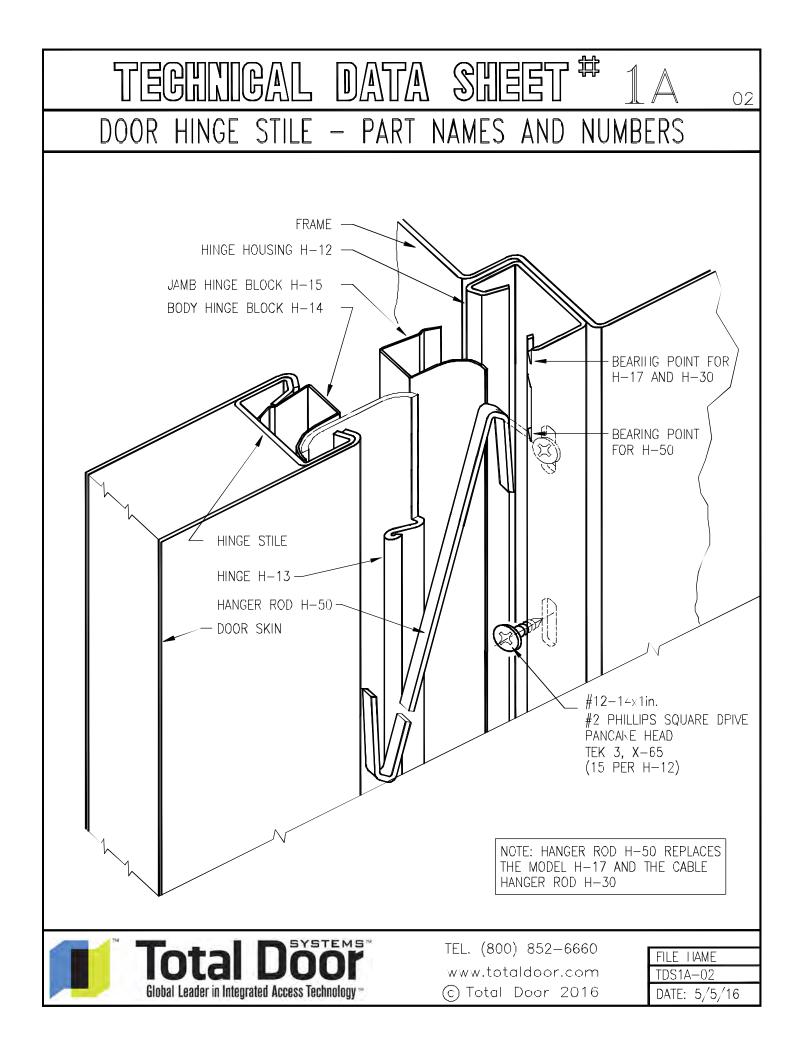


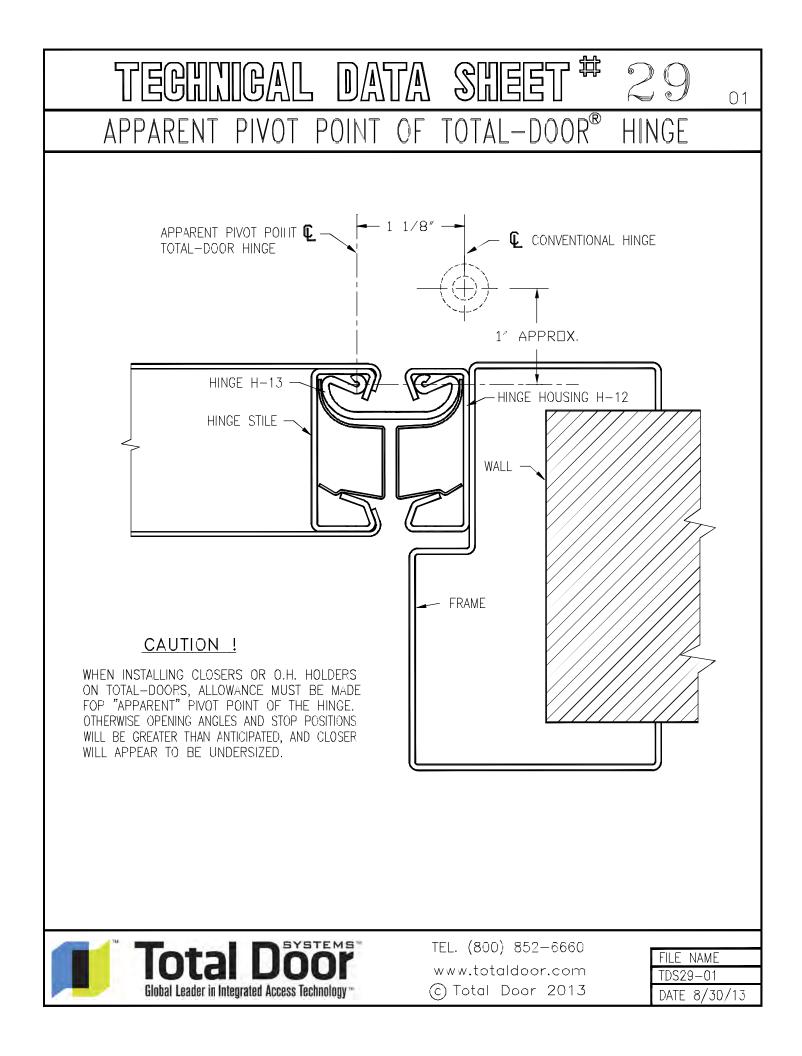


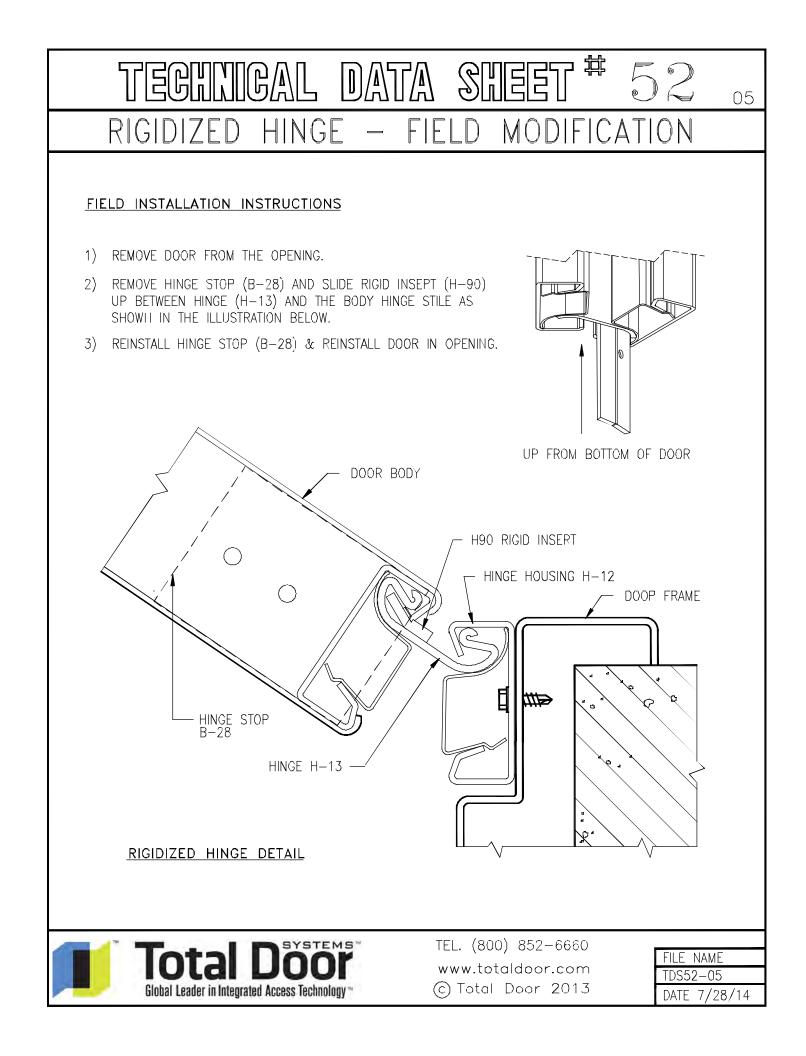


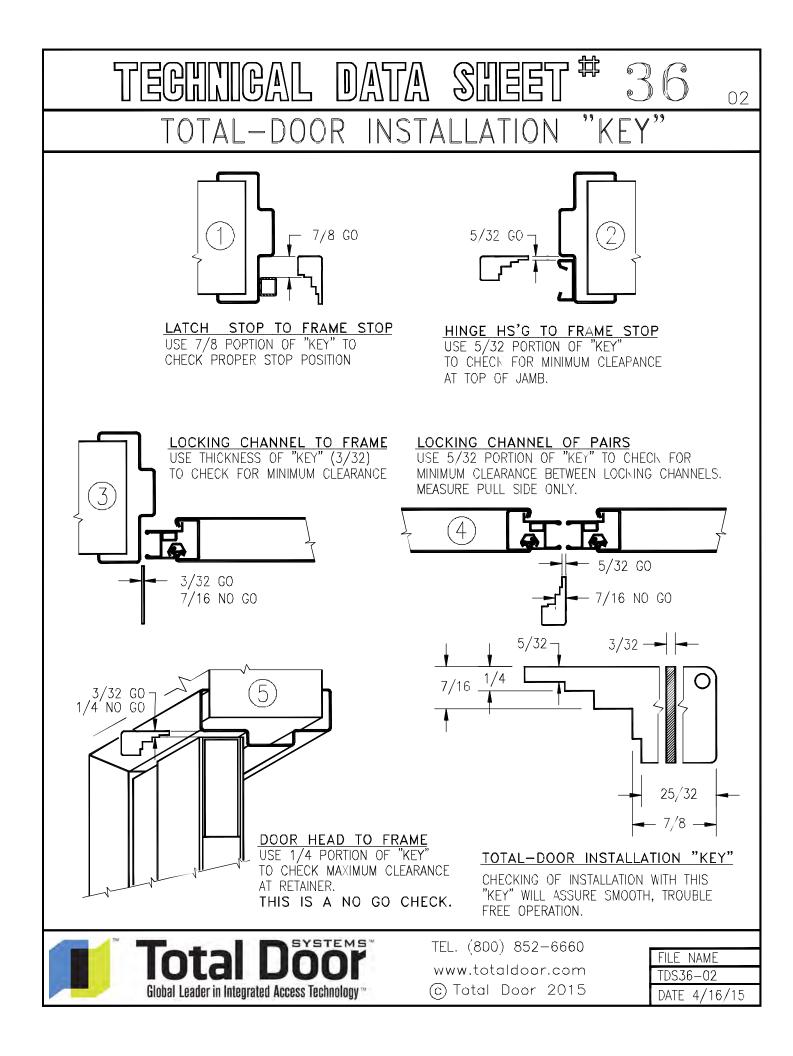


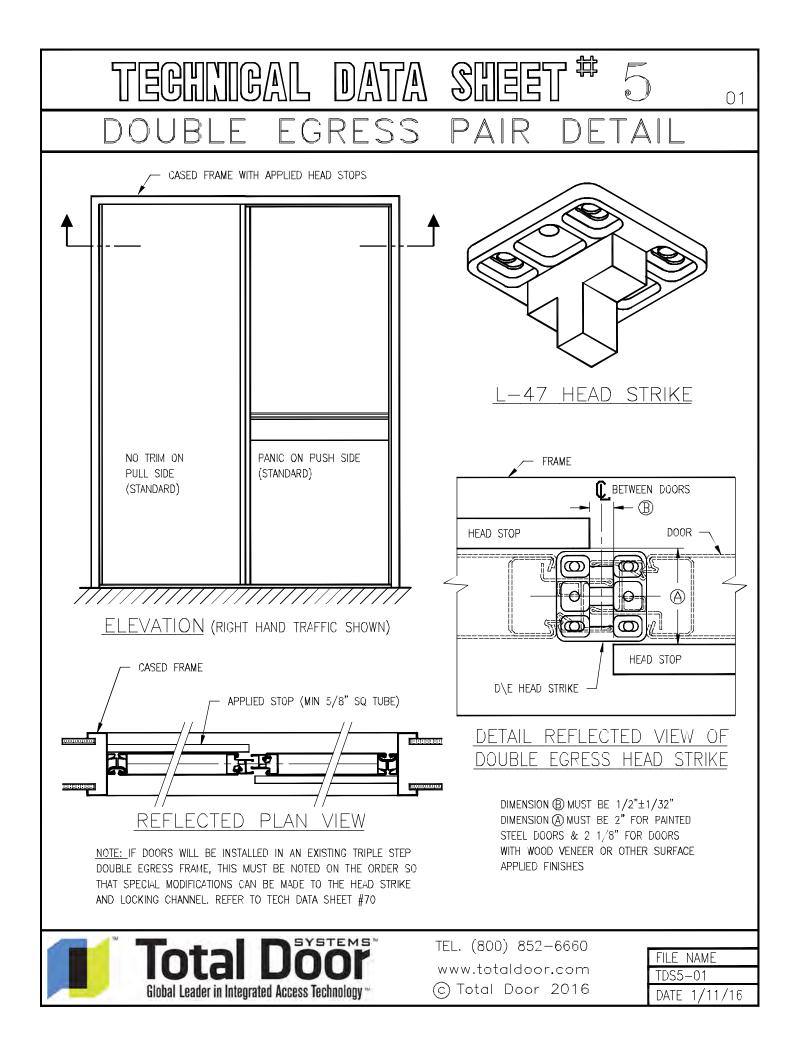


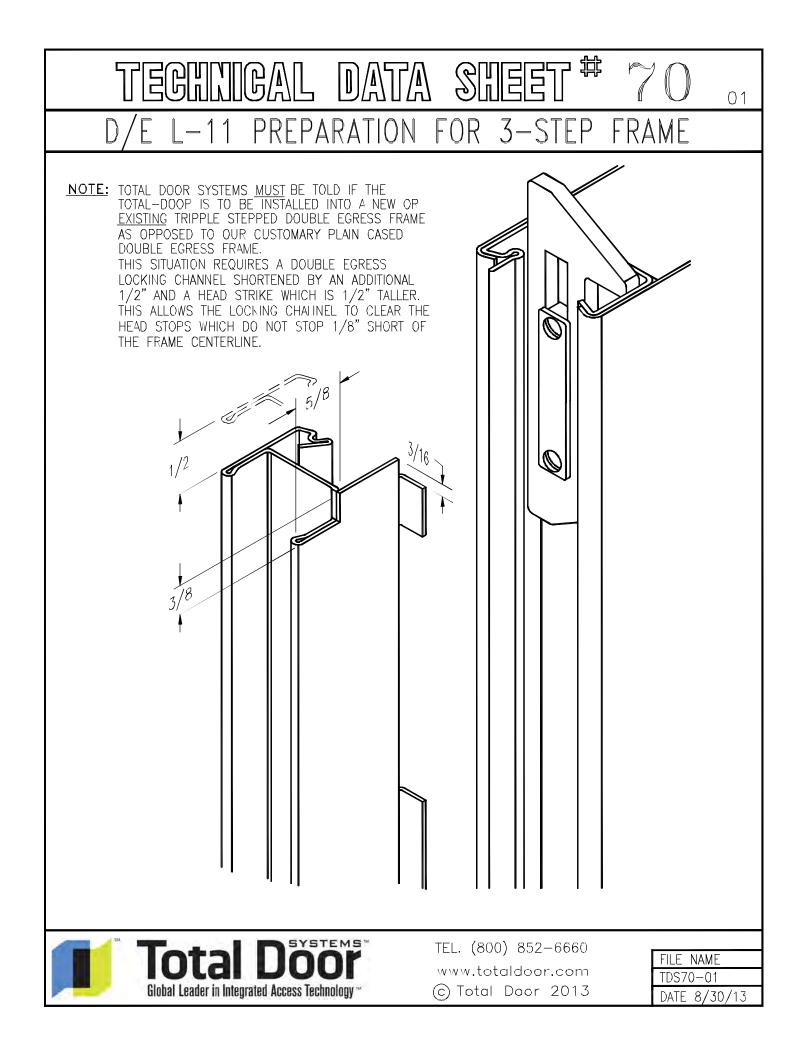


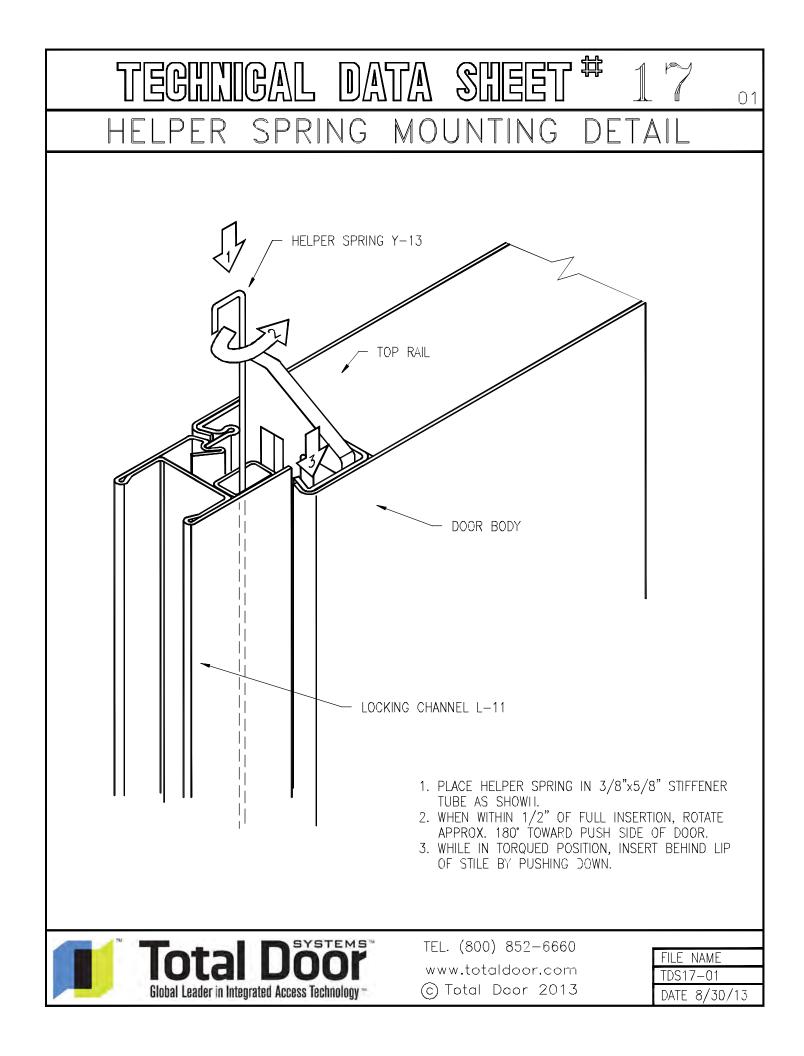


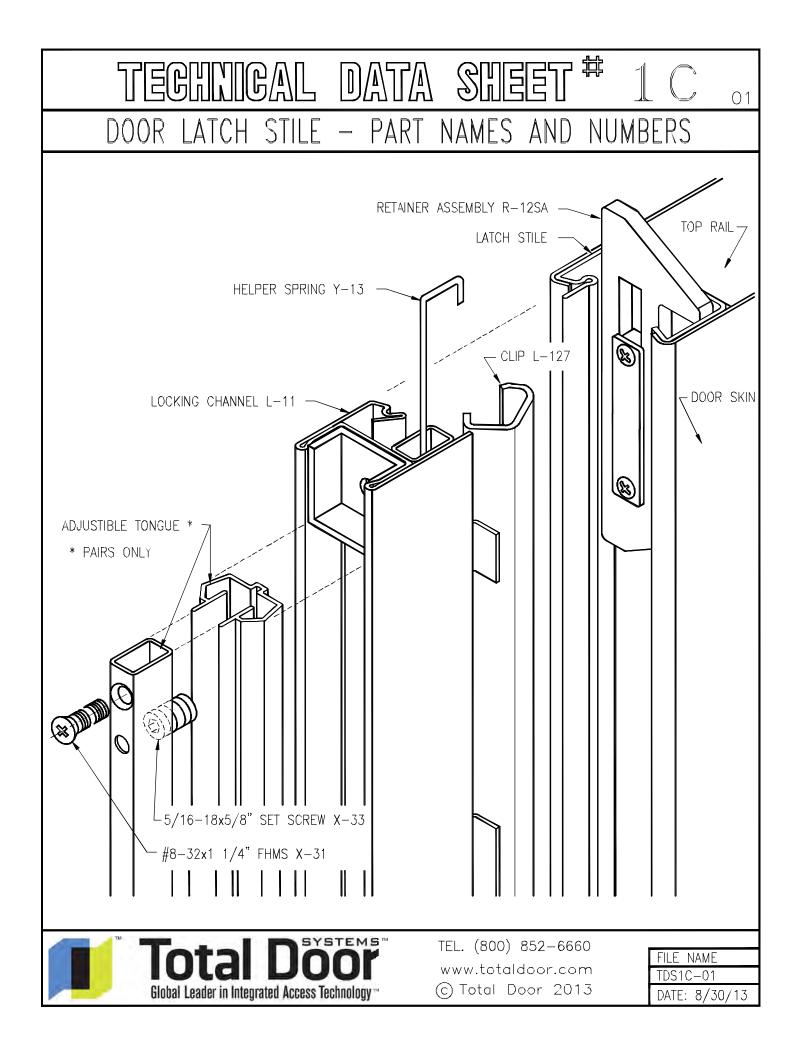


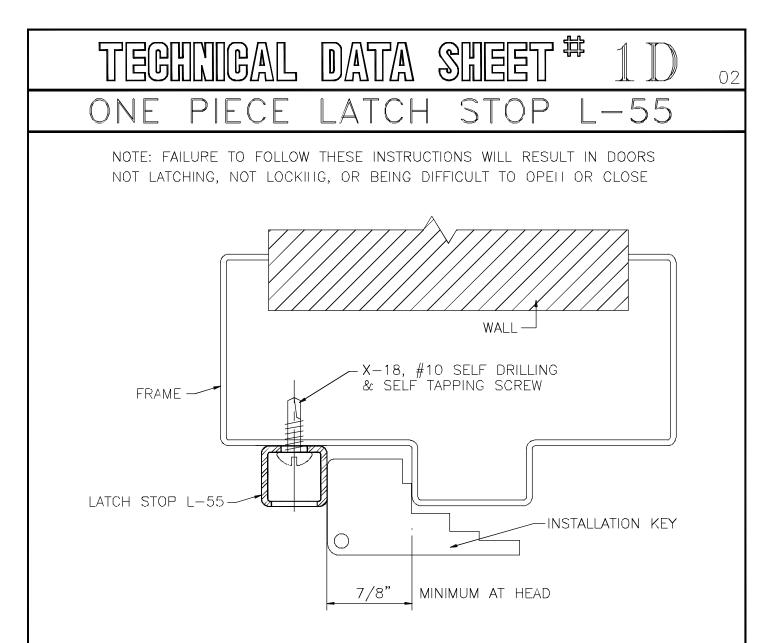










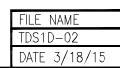


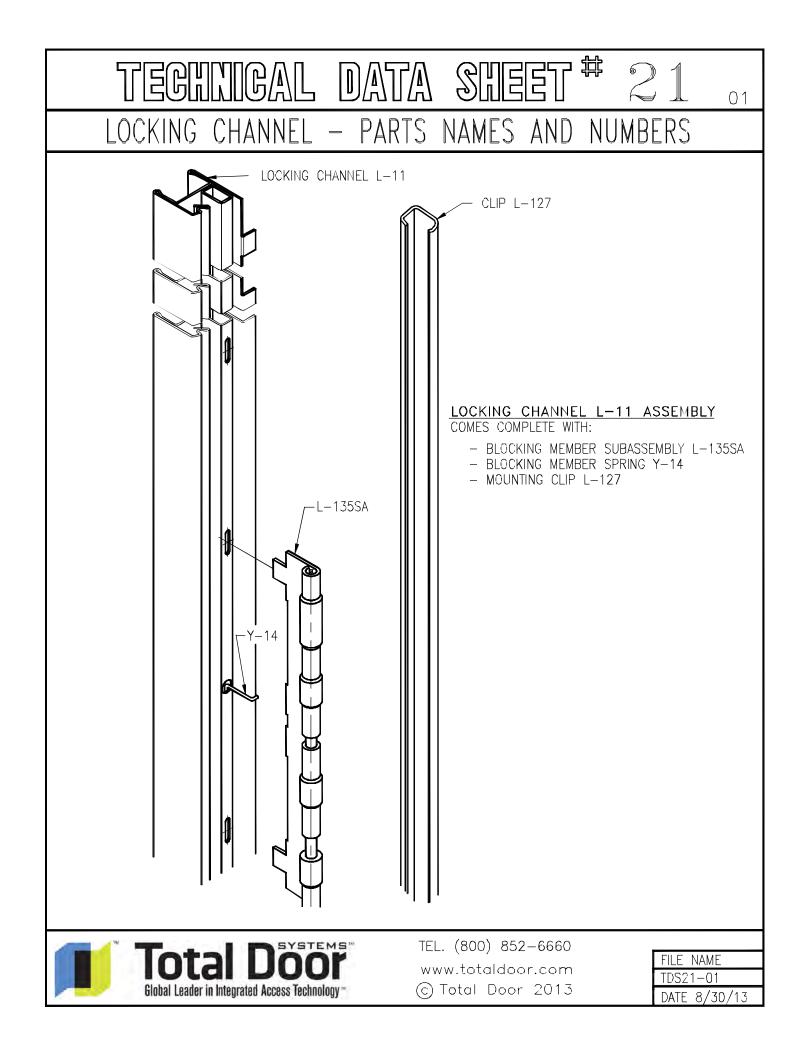
LATCH STOP L-55, INSTALLATION PROCEDURE

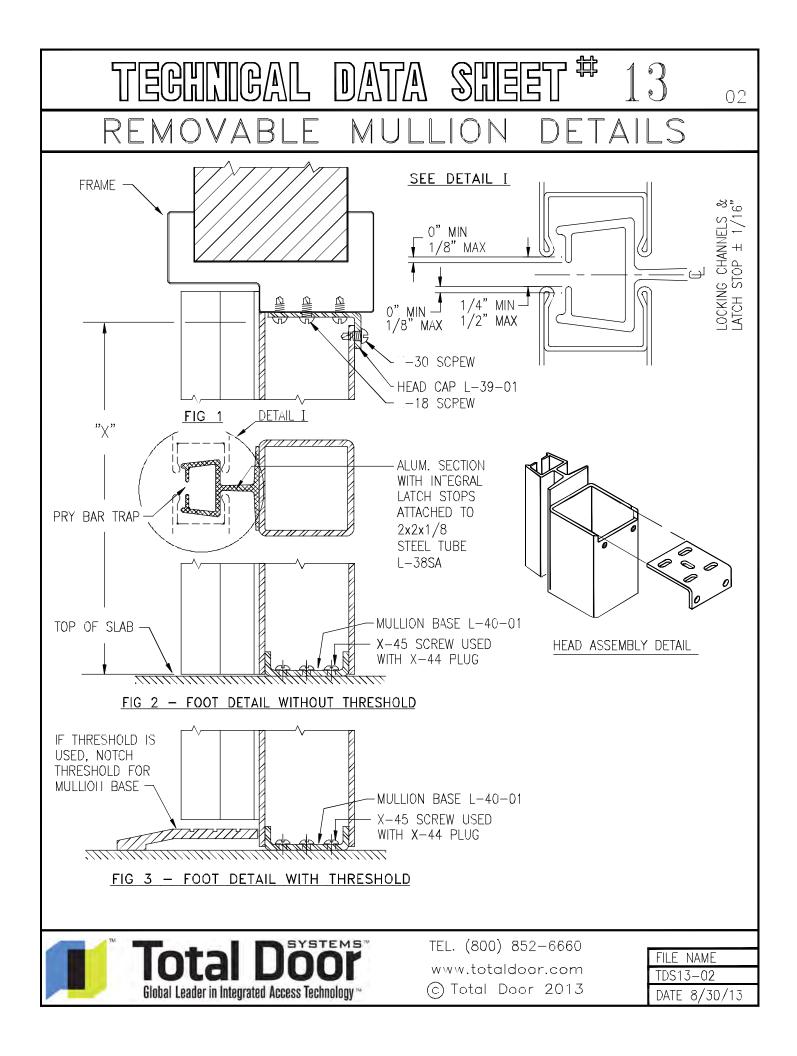
- 1. Install top screw of latch stop L-55, with the back side 7/8" from the frame rabbet. Use the installation key provided to insure correct tolerances.
- 2. Depress the retainer on the top of the door and rotate the locking channel L-11 to the locked position. Close the door firmly against the latch stop L-55. Press the L-55 against the locking channel L-11 and scribe a line on the jamb the length of the L-55 on the rabbet side.
- 3. With the L-55 on the scribed line, install the bottom and middle screws.
- 4. Test the door for proper operation. If the door operates smoothly and easily, install the balance of the screws and nylon hole plugs.

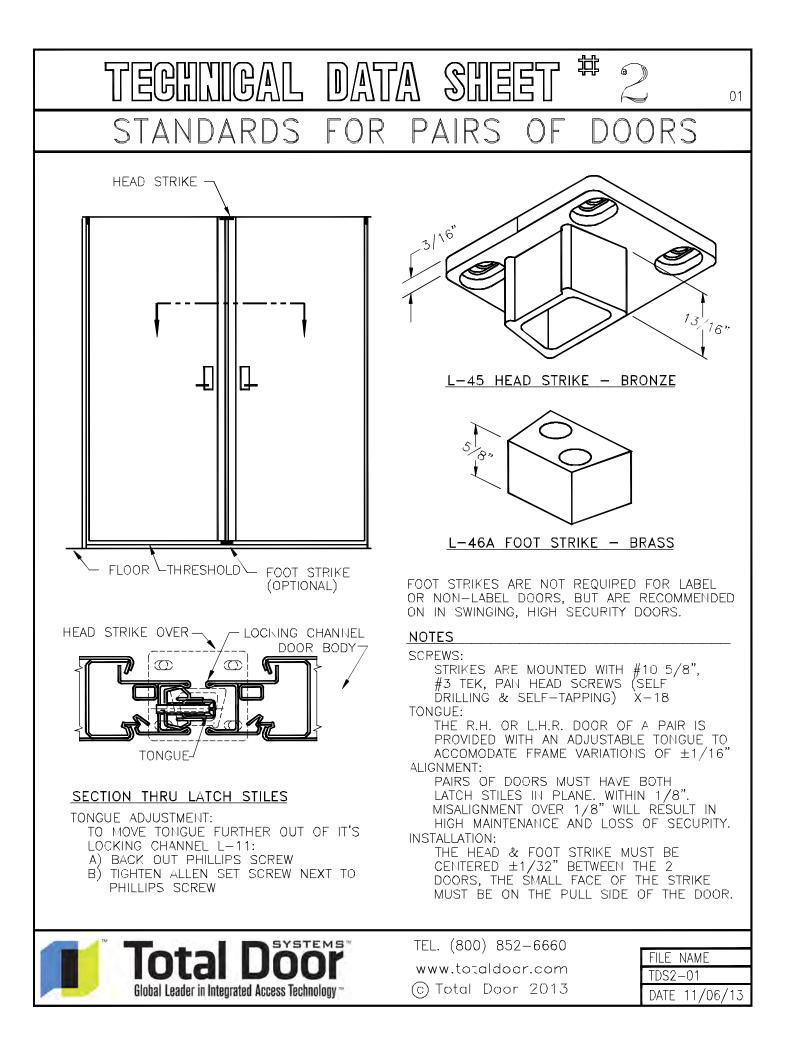


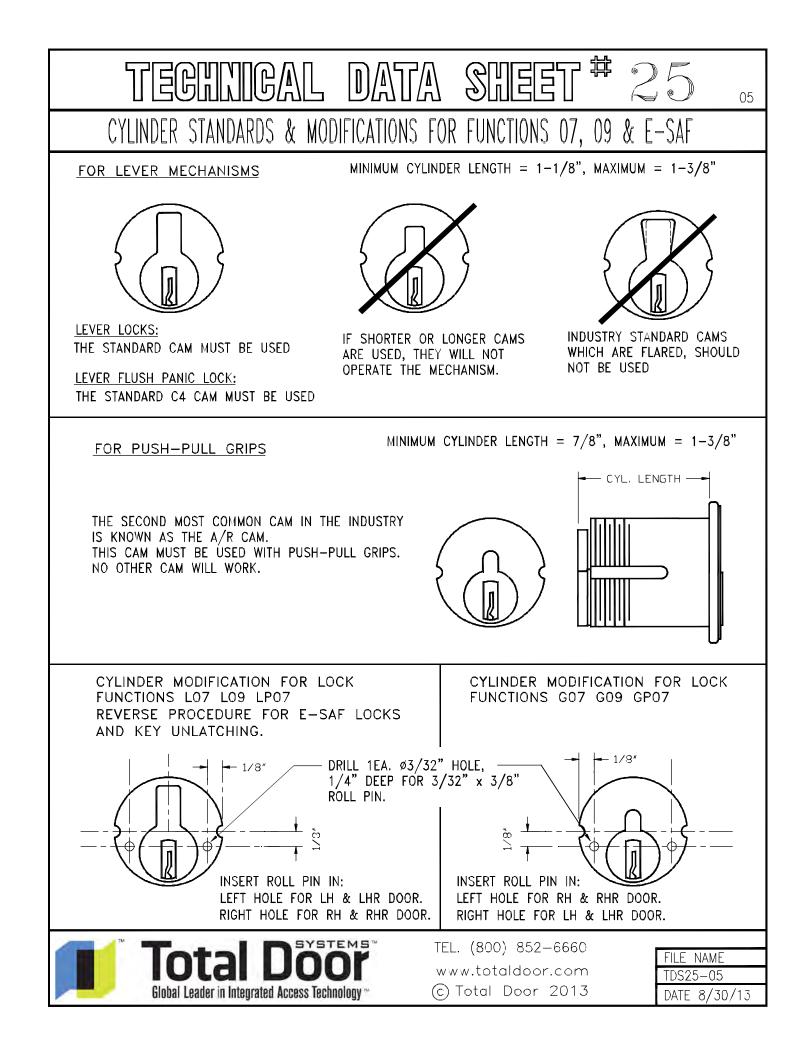
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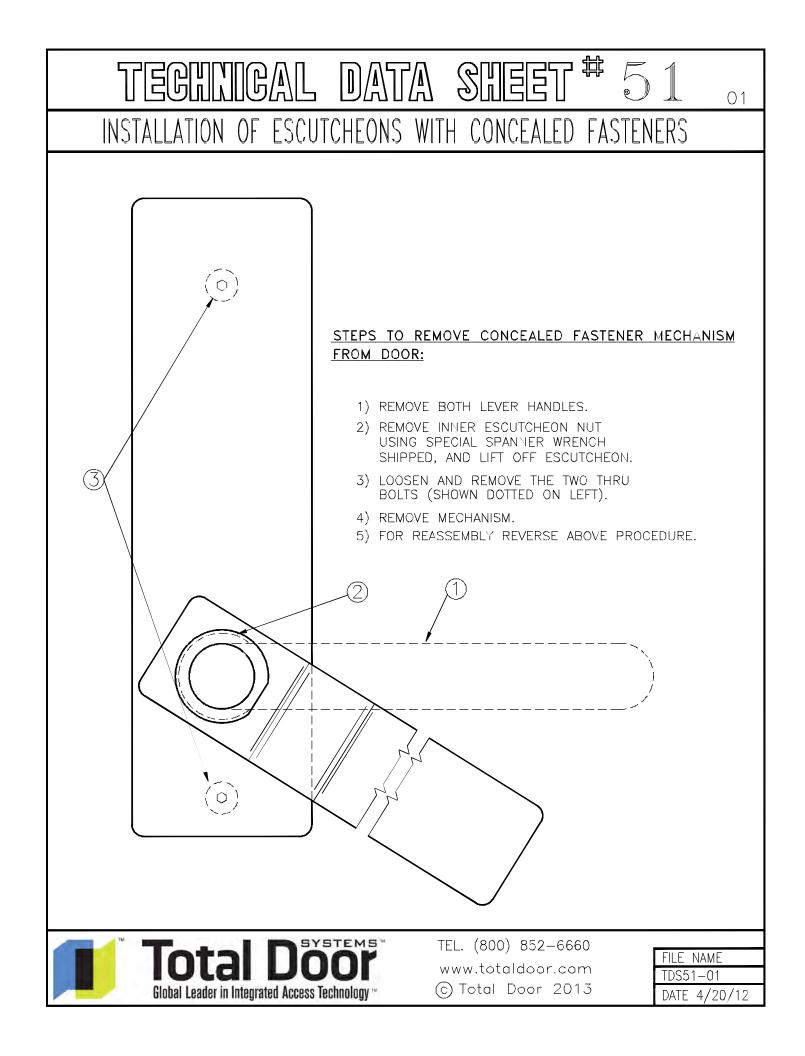


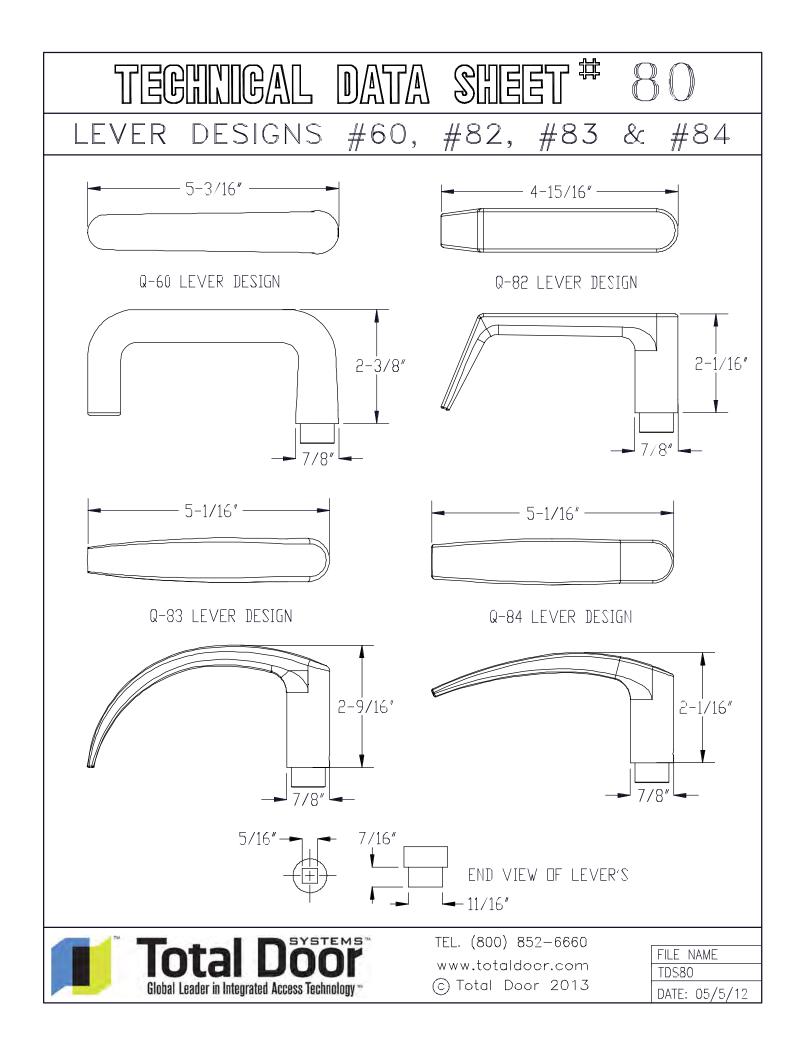


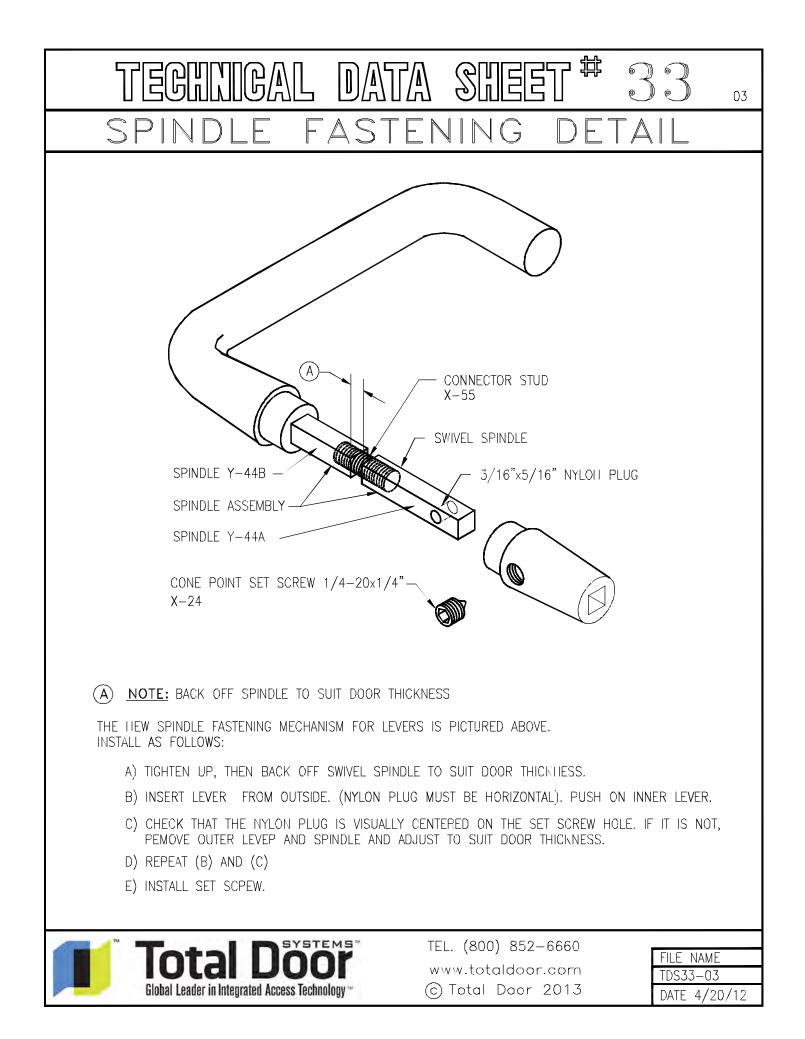


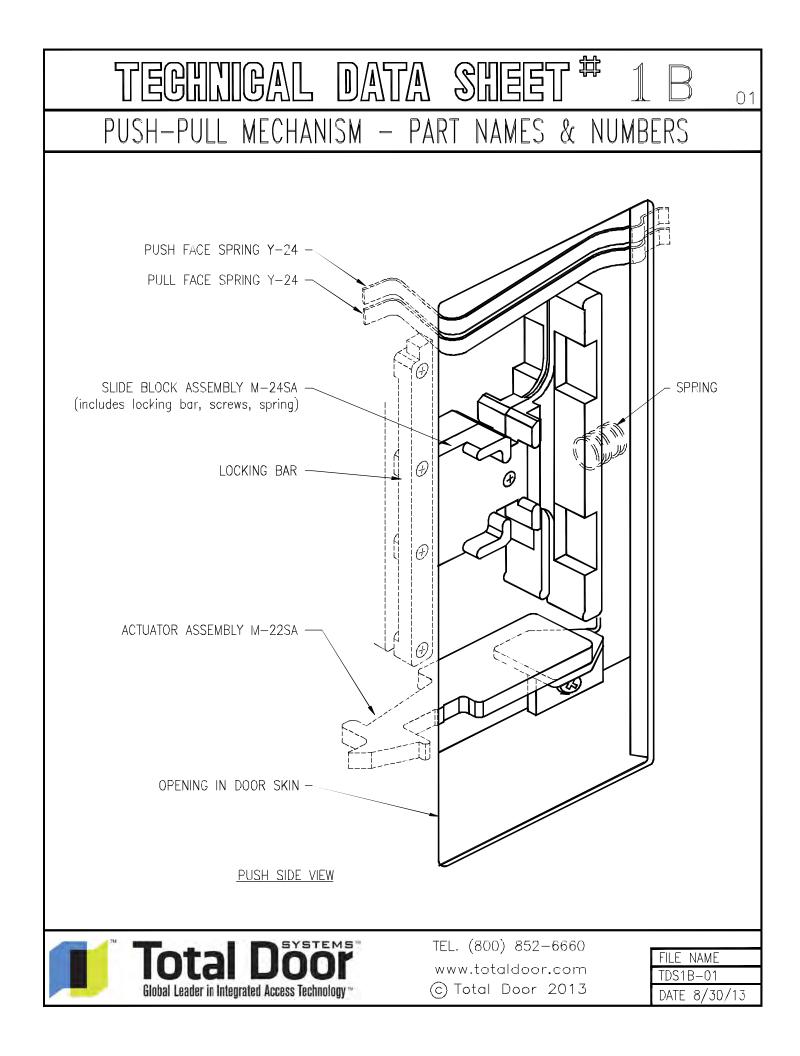














LIMITED WARRANTY

This limited warranty covers the materials and workmanship of its products manufactured after March 1, 2017 for five (5) years from the ship date for interior applications and two (2) years from the ship date for exterior applications.

This limited warranty shall apply only if the product is properly stored, installed and maintained in accordance with Total Door Systems' published tolerances. Total Door Systems will, at its option, replace, repair or refund the purchase price paid to Total Door Systems for products which in its opinion, are found to be defective in workmanship or material under normal use and service within the above defined time periods. Total Door Systems' sole responsibility is as stated herein and it shall not be liable for consequential, indirect or incidental damages. *Warranty replacement parts/components must be sent back to the factory for credit. An RA (return authorization) form must be requested when placing an order. Any and all warranty work must be handled through a certified distributor. Please contact Total Door Systems if assistance is need in locating a distributor.*

This limited warranty is in place of all other warranties, express or implied, and excludes any warranties of fitness or merchantability. No agent, representative, dealer, or employee of Total Door Systems has the authority to increase or alter the obligations of this limited warranty.

Notice Requirement

Purchaser is responsible for inspection of product upon receipt to ensure order is complete/accurate and provide notice of discrepancies to Total Door Systems within 30 days.

Storage and Handling Instructions

- 1. Store Total Doors flat on a level surface in a dry, well ventilated building, separated by foam spacer blocks provided with original shipment so that no projecting hardware touches any part of an adjacent door.
- 2. Cover doors with opaque covering to keep clean and avoid discoloration. Cover must allow air circulation.
- 3. Steel doors with wood faces should not be subjected to extremes of heat and/or humidity conditions. Relative humidity should not be less than 30% or more than 60%.
- 4. Handle with clean gloves and do not drag doors across one another or across other surfaces.

Installation

Total Doors must be installed in full compliance with manufacturer's published tolerances.

Maintenance

To assure coverage under this limited warranty, the following must be maintained: the adjustment of hardware and fasteners attached to or fitted into the doors or frame, the finishes on all wood surfaces and the moisture protection on exterior doors.

Exclusions

This limited warranty does not include:

- Total Doors that are not installed by a factory certified installer.
- Total Doors that are not installed to factory specified tolerances.
- Any products which, in the opinion of Total Door Systems, have been modified, repaired or altered in any way without the express written consent of the Company.
- Doors with cutouts for lights, louvers or other hardware nearer than six inches to the door edge, or doors with less than six inches between cutouts.
- Normal wear and tear including wear-through of finishes or deterioration for reasons other than material and workmanship.
- Items by other manufacturers and/or items supplied in the field.
- Wood surfaced doors exposed to relative humidity of less than 30% or greater than 60%.
- Field Painting of Hinge Verticals (H12, H13, H14 or H15).
- Field Paint of Locking Channel Verticals (L11).
- The appearance of field finished doors.
- The appearance of high gloss surfaced doors.
- Natural variations in the color or texture of wood.
- Custom finishes supplied by customer.
- Freight damage.
- Doors not stored per storage & handling instructions.

Exclusions for Exterior Doors

An exterior door is one that cannot be controlled on both sides for temperature and humidity. The following conditions will void the limited warranty:

- Use of concealed closers.
- Wood faced doors.
- Doors and frames not properly protected by flashing or drip caps.
- Doors that are not sealed top and bottom.

Total Door Systems

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3/1/2017



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