

Models Thermospan 200, 200-20

PASS DOOR

INSTALLATION INSTRUCTIONS AND OWNER'S MANUAL

PLEASE DO NOT RETURN THIS PRODUCT TO THE STORE

If you need assistance, please call 1-866-569-3799 (press Option 1) and follow the prompts to contact a customer service representative. They will be happy to handle any questions that you may have.

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IMPORTANT NOTICES!

To avoid possible injury, read and fully understand the enclosed instructions carefully before installing and operating the garage door. Pay close attention to all warnings and notes. After installation is complete, fasten this manual near garage door for easy reference.

This Installation document is available at no charge from:
Wayne Dalton, a division of Overhead Door Corporation,
P.O. Box 67, Mt. Hope, OH., 44660, Or Online At www.Wayne-Dalton.com

Important Safety Instructions

DEFINITION OF KEY WORDS USED IN THIS MANUAL:

WARNING

INDICATES A POTENTIALLY HAZARDOUS SITUATION WHICH; IF NOT AVOIDED, COULD RESULT IN SEVERE OR FATAL INJURY.

CAUTION

PROPERTY DAMAGE OR INJURY CAN RESULT FROM FAILURE TO FOLLOW INSTRUCTIONS.

IMPORTANT: REQUIRED STEP FOR SAFE AND PROPER DOOR OPERATION.

NOTE: Information assuring proper installation of the door.

READ THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING INSTALLATION. IF IN QUESTION ABOUT ANY OF THE PROCEDURES, DO NOT PERFORM THE WORK. INSTEAD, HAVE A TRAINED DOOR SYSTEMS TECHNICIAN DO THE INSTALLATION OR REPAIRS.

- READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS.**
- Wear protective gloves during installation to avoid possible cuts from sharp metal edges.
- It is always recommended to wear eye protection when using tools, otherwise eye injury could result.
- DO NOT operate door when the Pass Door is NOT closed, latched or locked.
- DO NOT force Pass Door beyond closing device capabilities.
- DO NOT operate Pass door when operating the door and the pass door is not closed and or including interlocks and other safety devices for motor operation.
- DO NOT operate door while pass door is in use.
- DO NOT place fingers or hands into open section joints when closing a pass door. Use lift handles/gripping points when operating door.
- Ensure and inspect the latching mechanism for pass door to make sure it doesn't open during operation.
- Pass Doors should be installed by two persons, to avoid possible injury.
- Operate pass door only when it is properly adjusted and free from obstructions.
- If the pass door becomes hard to operate, inoperative or is damaged, immediately have necessary adjustments and/ or repairs made by a trained door system technician using proper tools and instructions.
- DO NOT place fingers or hands into open section joints when closing a pass door. Use lift handles/ gripping points when operating door manually.
- DO NOT permit children to operate pass door or door controls. Severe or fatal injury could result should the child become entrapped between the pass door and the floor.
- Due to constant extreme spring tension, do not attempt any adjustment, repair or alteration to any part of the door, especially to springs, spring brackets, bottom corner brackets, fasteners, counterbalance lift cables or supports. To avoid possible severe or fatal injury, have any such work performed by a trained door systems technician using proper tools and instructions.
- Visually inspect pass door and hardware monthly for worn and or broken parts. Check to ensure pass door operates freely.
- This pass door may not meet the building code wind load requirements in your area. For your safety, you will need to check with your local building official for wind load code requirements and building permit information.

After installation is complete, fasten this manual near the garage door.

IMPORTANT: STAINLESS STEEL OR PT2000 COATED LAG SCREWS MUST BE USED WHEN INSTALLING CENTER BEARING BRACKETS, END BRACKETS, JAMB BRACKETS, DRAWBAR OPERATOR MOUNTING/ SUPPORT BRACKETS AND DISCONNECT BRACKETS ON TREATED LUMBER (PRESERVATIVE-TREATED). STAINLESS STEEL OR PT2000 LAG SCREWS ARE NOT NECESSARY WHEN INSTALLING PRODUCTS ON UN-TREATED LUMBER.

NOTE: It is recommended that 5/16" lag screws are pilot drilled using a 3/16" drill bit, prior to fastening.

IMPORTANT: WHEN INSTALLING 5/16" LAG SCREWS USING AN ELECTRIC DRILL/ DRIVER, THE DRILL/ DRIVERS CLUTCH MUST BE SET TO DELIVER NO MORE THAN 200 IN-LBS OF TORQUE. FASTENER FAILURE COULD OCCUR AT HIGHER SETTINGS.

WARNING

PRIOR TO WINDING OR MAKING ADJUSTMENTS TO THE SPRINGS, ENSURE YOU'RE WINDING IN THE PROPER DIRECTION AS STATED IN THE INSTALLATION INSTRUCTIONS. OTHERWISE, THE SPRING FITTINGS MAY RELEASE FROM SPRING IF NOT WOUND IN THE PROPER DIRECTION AND COULD RESULT IN SEVERE OR FATAL INJURY.

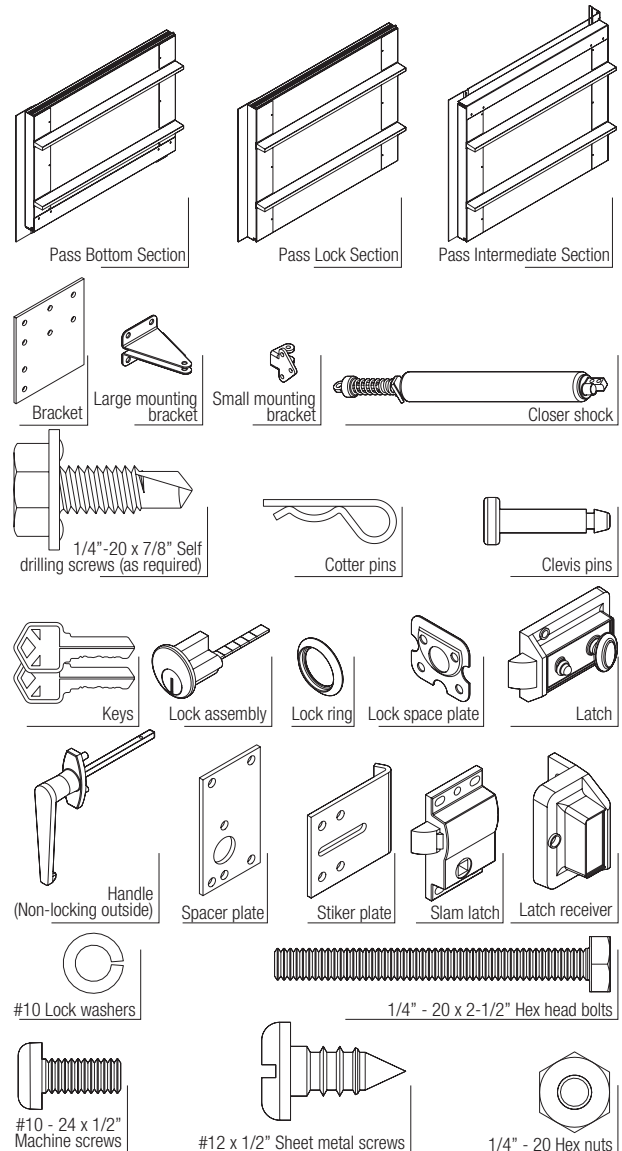
IMPORTANT: RIGHT AND LEFT HAND IS ALWAYS DETERMINED FROM INSIDE THE BUILDING LOOKING OUT

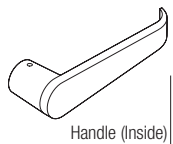
Tools Required

Power drill	Flat tip screwdriver	Step ladder
Drill bits: 1/8", 3/16", 9/32", 7/16", 1/2"	Pliers / Wire cutters	Level
Ratchet wrench	Needle nose pliers	Pencil
Socket driver: 7/16"	Locking pliers	Saw horses
Sockets: 7/16", 1/2", 9/16", 5/8"	(2) Vice clamps	Leather gloves
Socket extension: 3"	Wrenches: 3/8", 7/16", 1/2", 9/16", 5/8"	Safety glasses
Phillips head screwdriver	Hammer	
Approved winding rods	Tape measure	

Package Contents

NOTE: Depending on the door model, some parts listed will not be supplied if not required. Rear Back Hangs may not be included with your door.

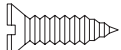




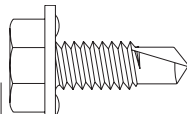
Handle (inside)



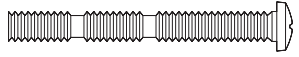
1/8" x 3/4"
Roll pin



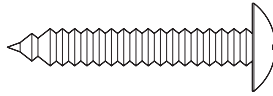
#8 x 5/8" Screws



1/4"-20 x 7/8" Self
drilling screws (as required)



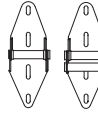
#8 Lockscrews furnished



1-1/4" Long screws



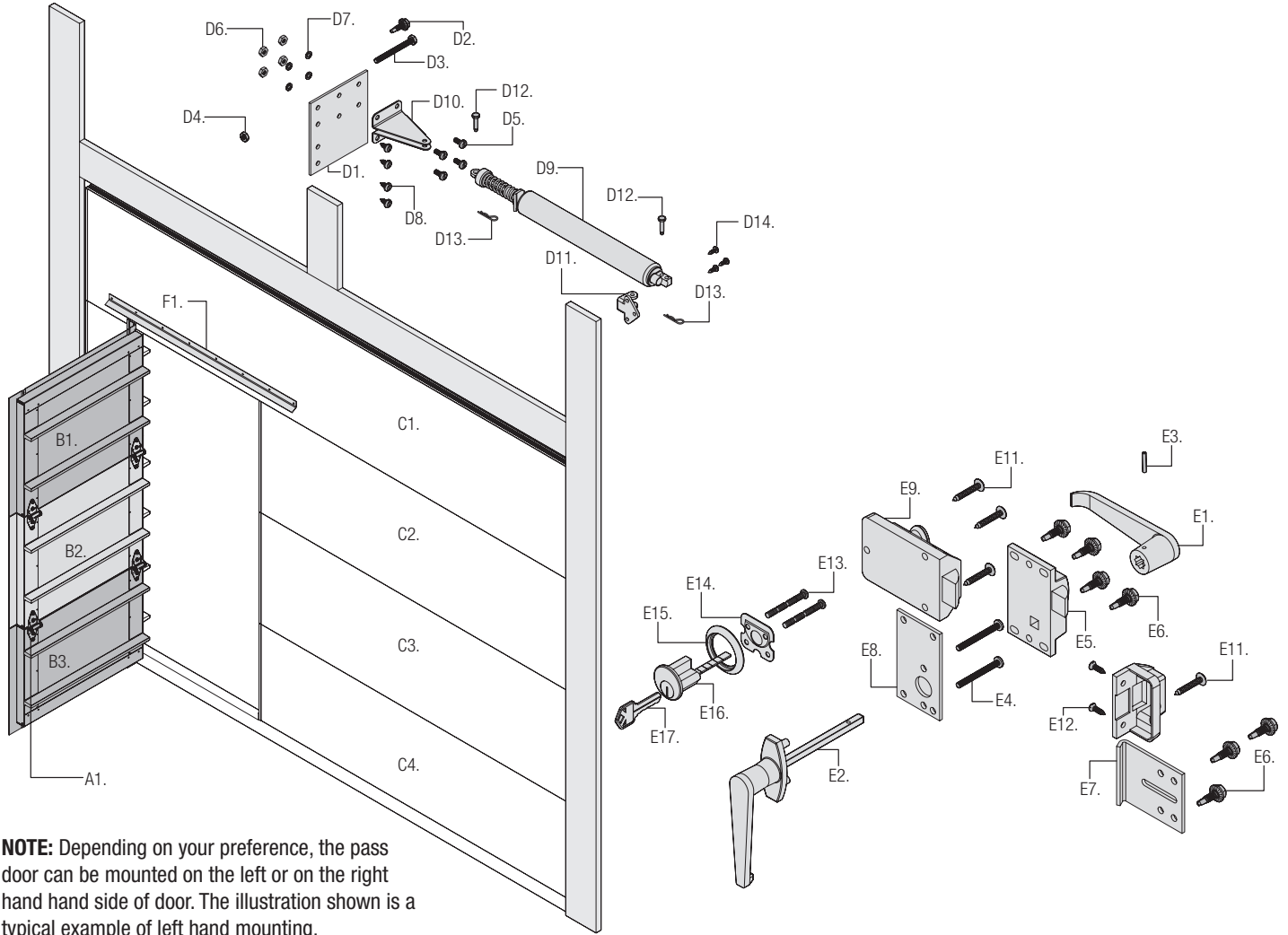
#10 - 24 x 1-3/4" Pan head screws



Hinges (as required)

PARTS BREAKDOWN

NOTE: The illustrations shown on this page are general representations of the pass door parts. Each specific pass door parts may have unique variations.



NOTE: Depending on your preference, the pass door can be mounted on the left or on the right hand side of door. The illustration shown is a typical example of left hand mounting.

A. GRADUATED END HINGES:

A1. Single Graduated End Hinges (S.E.H.), Industry Standard

B. STACKED PASSDOOR SECTIONS:

B1. Passdoor Intermediate Section
 B2. Passdoor Lock Section
 B3. Passdoor Bottom Section

C. STACKED SECTIONS:

C1. Top Section
 C2. Intermediate Section
 C3. Lock Section
 C4. Bottom Section

D. PASS DOOR CLOSER ASSEMBLY:

D1. Mounting Bracket
 D2. 1/4" - 20 x 7/8" Self Drilling Screw
 D3. 1/4" - 20 x 2-1/2" Hex Head Bolt
 D4. 1/4" - 20 Hex Nuts
 D5. #10 - 24 x 1/2" Machine Screws
 D6. #10 - 24 Hex Nuts
 D7. #10 Lock Washers
 D8. #12 x 1/2" Machine Screws
 D9. Shock
 D10. Large Mounting Bracket
 D11. Small Mounting Bracket
 D12. Clevis Pins
 D13. Cotter Pins
 D14. #8 x 1/2" Phillips Head Machine Screws

E. PASSDOOR HANDLE, LATCH AND LOCK ASSEMBLY:

E1. Inside Handle (L - Shaped Handle)
 E2. Outside Handle (L - Shaped Handle), Non - Locking
 E3. 1/8" x 3/4" Roll Pin
 E4. #10 - 24 X 1-3/4" Pan Head Screws
 E5. Slam Latch
 E6. 1/4" - 20 X 7/8" Self Drilling Screws
 E7. Striker Plate
 E8. Spacer Plate 2" X 3-1/2" X 1/8"
 E9. Latch
 E10. Latch Receiver
 E11. 1-1/4" Long Screws
 E12. 5/8" Long screws
 E13. 1-3/4" Long Screws
 E14. Lock Spacer Plate
 E15. Lock Ring
 E16. Lock Assembly
 E17. Keys

F. DRIP EDGE:

F1. Top Drip Edge

INSTALLATION

Before installing your door, be certain that you have read and followed all of the instructions covered in the pre-installation section of this manual. Failure to do so may result in an improperly installed door.

NOTE: Reference TDS 160 for general garage door terminology at www.dasma.com.

1 Pass Section Hinge Attachment

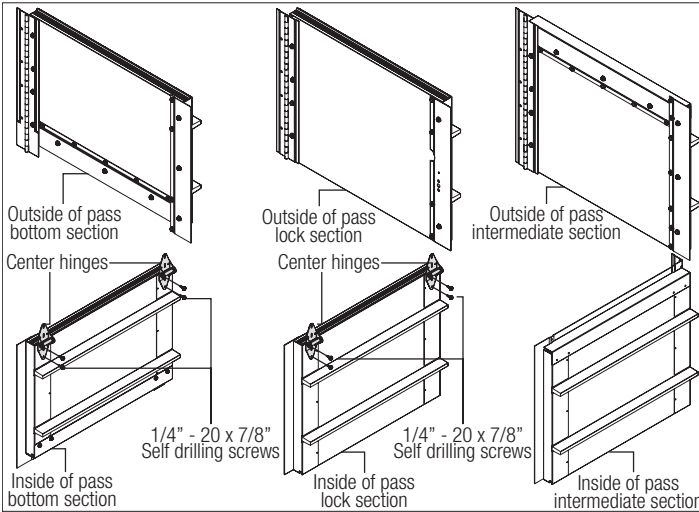
Tools Required: Power drill, Socket driver 7/16", Tape measure, Step ladder, Safety glasses

Place the pass door sections face down on a couple of sawhorses or flat clean / smooth surface. Using the illustration below, determine which pass door section requires a hinge to be installed. Starting with the pass bottom section, place the center hinge over the end stile. Secure the center hinge to the pass bottom section using (2) 1/4" - 20 x 7/8" self drilling screws, as shown. Repeat the same process for the right hand side and then repeat center hinge attachment for the pass lock section.

IMPORTANT: ONCE THE 1/4" - 20 X 7/8" SELF DRILLING SCREWS ARE SNUG AGAINST THE LOWER HINGE LEAFS, TIGHTEN AN ADDITIONAL 1/4 TO 1/2 TURN TO RECEIVE MAXIMUM DESIGN HOLDING POWER.

IMPORTANT: PUSH & HOLD THE HINGE LEAF SECURELY AGAINST THE PASS SECTION WHILE SECURING WITH 1/4" - 20 X 7/8" SELF DRILLING SCREWS. THERE SHOULD BE NO GAP BETWEEN THE HINGE LEAF AND THE PASS SECTION.

NOTE: Do not install hinges on the pass intermediate section.



2 Pass Section Mounting

Tools Required: Power drill, Socket driver 7/16", Level, Wooden shims (if necessary), Tape measure, Step ladder, Safety glasses

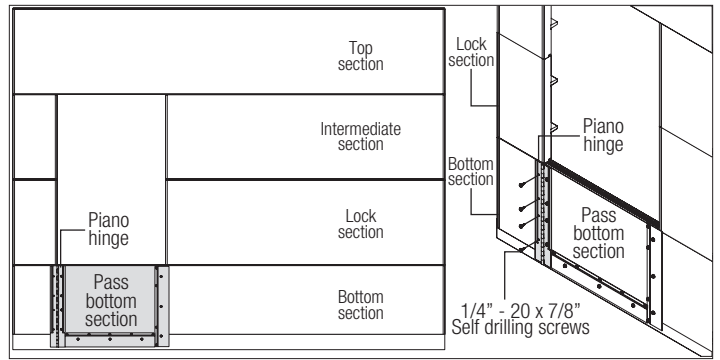
NOTE: This step should be performed by two persons. This is to ensure proper alignment of the pass door frame and the door, which is critical for smooth operation of the pass door.

NOTE: Proper alignment of the pass door frame is critical for smooth operation of the pass door.

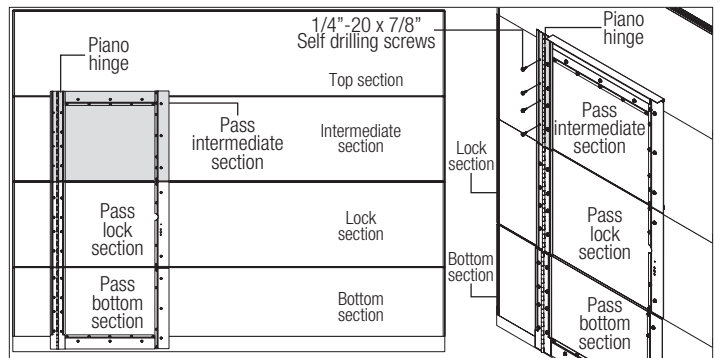
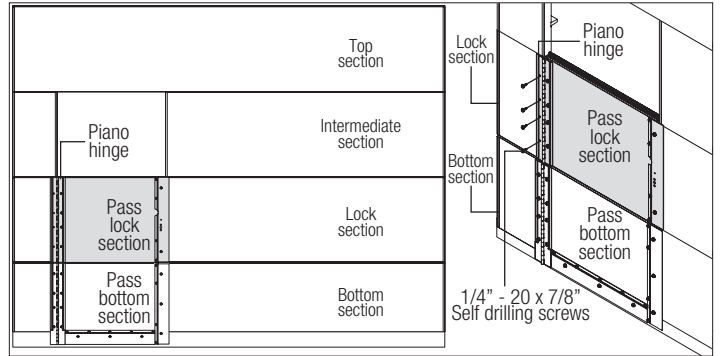
NOTE: Swinging portion of Pass Door on bottom section may need to be shimmed up during installation of upper sections to prevent gapping.

NOTE: To better ensure proper alignment of the frame from section to section, install the center hinges on the gear hinge side of the aluminum pass door frame first and work outwards installing hinges.

Starting with the pass bottom section and using assistance, center the pass bottom section into the opening of the bottom section. Level the pass bottom section using wooden shims (if necessary). When the pass bottom section is leveled, temporarily hold the pass bottom section in positioned. After stacking the bottom section, measure the pass door frame opening at the top and bottom of the frame. If this measurement is not exactly the same, the bottom section will need to be shimmed or clamped so that the frame is aligned. Secure the pass bottom section to the bottom section using 1/4" - 20 x 7/8" self drilling screws, as shown.



Repeat same process for pass lock section and the pass intermediate section.



3

Lock Assembly Preparation

Tools Required: Power drill, 15/16", 1/2", 3/8" Drill bits, Step ladder, Safety glasses, Tape measure

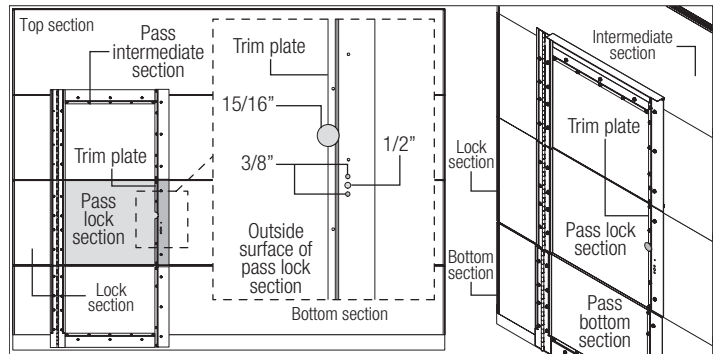
On the outside of the pass lock section, locate the trim plate. Using the illustration below and the holes as a template, first drill (1) 15/16" diameter hole completely through the pass lock section, as shown. Next, drill (1) 1/2" and (2) 3/8" diameter holes completely through the pass lock section, as shown.

CAUTION

BE CAREFUL TO KEEP DRILL STRAIGHT WHEN PRE-DRILLING. SECTION DAMAGE CAN RESULT FROM FAILURE TO KEEPING THE DRILL STRAIGHT.

NOTE: Do not enlarge holes in the pass lock section.

IMPORTANT: REMOVE ALL BURRS FROM THE DRILLED HOLES BEFORE INSTALLING THE LOCK ASSEMBLY TO THE PASS LOCK SECTION.

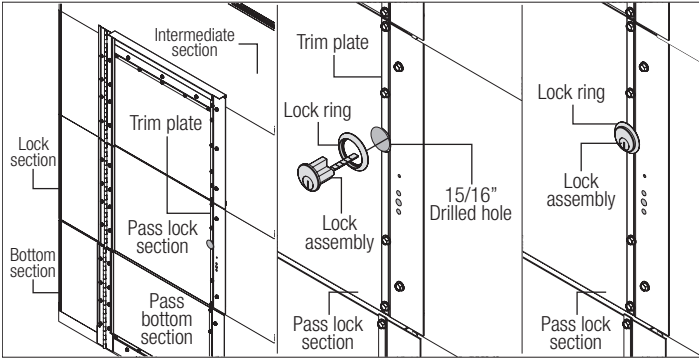


4

Lock Assembly

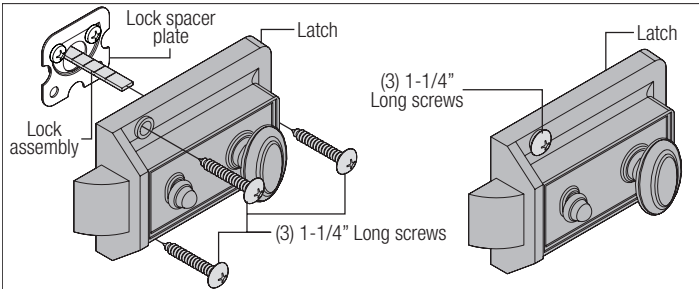
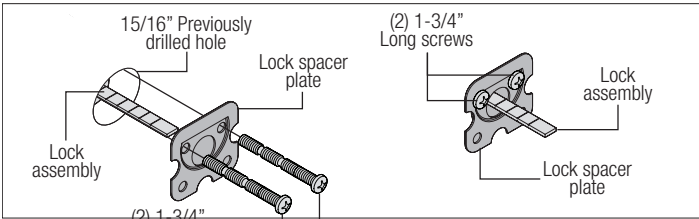
Tools Required: Phillips head screwdriver, Step ladder, Safety glasses, Tape measure

From the outside of the pass lock section, insert the lock assembly through the lock ring and into the pass lock section, as shown.



On the inside of the pass lock section, place the lock spacer plate over the previously drilled 15/16" diameter hole. Secure the lock spacer plate to the section and to the lock assembly using (2) 1-3/4" long screws ensuring the (2) 1-3/4" long screws thread into the lock assembly, as shown.

Next, secure the latch to the pass lock section and to the lock assembly using (3) 1-1/4" long screws ensuring that protruding lock assembly goes into the latch, as shown.

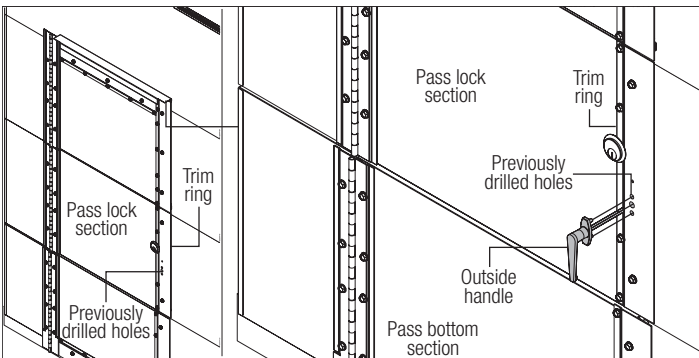


5

Outside Handle

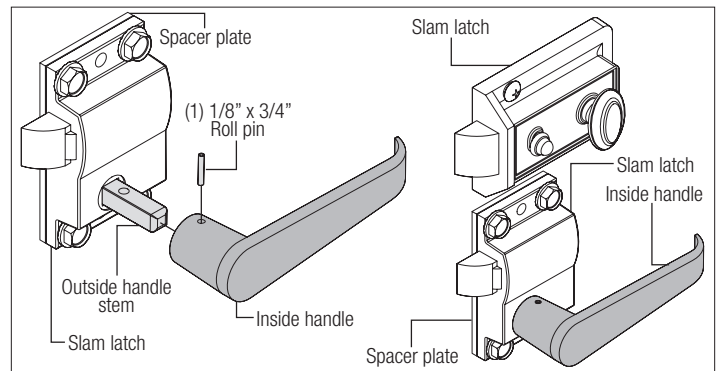
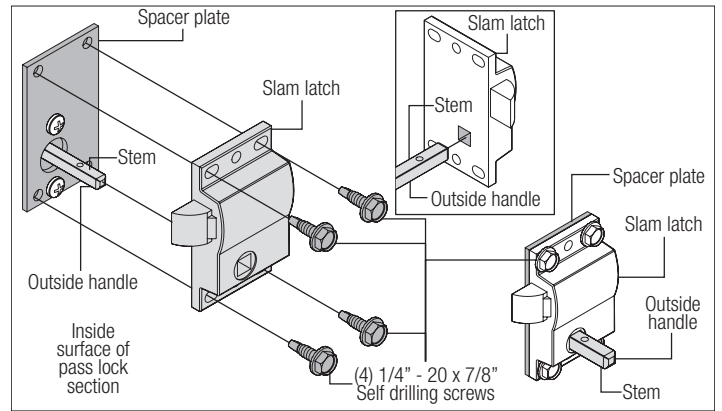
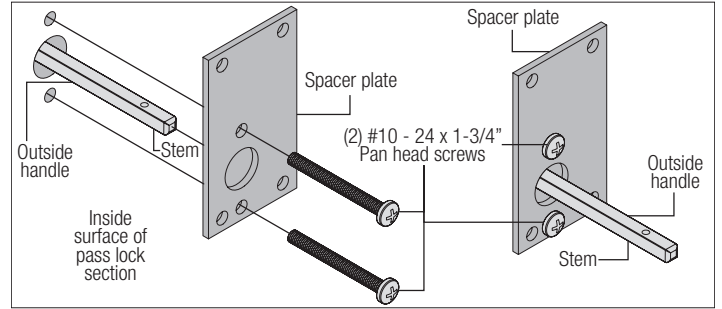
Tools Required: Power drill, Socket driver 7/16", Phillips head screwdriver, Step ladder, Safety glasses, Tape measure

From the outside of the pass lock section, insert the outside handle through the previously drilled 1/2" diameter hole and the (2) previously drilled 3/8" diameter holes into the pass lock section, as shown.



From the inside of the pass lock section, place the spacer plate over the previously drilled 1/2" diameter hole and the (2) previously drilled 3/8" diameter holes. Secure the spacer plate to the pass lock section and to the outside handle using (2) #10 - 24 x 1-3/4" pan head screws, ensuring the (2) #10 - 24 x 1-3/4" pan head screws thread into the outside handle. Now secure the slam latch to the pass lock section and to the outside handle using (4) 1/4" - 20 x 7/8" self drilling screws, ensuring that protruding outside handle goes into the slam latch, as shown. Slide the inside handle over the stem of the outside handle and secure the

inside handle to the stem using (1) 1/8" x 3/4" roll pin, as shown.

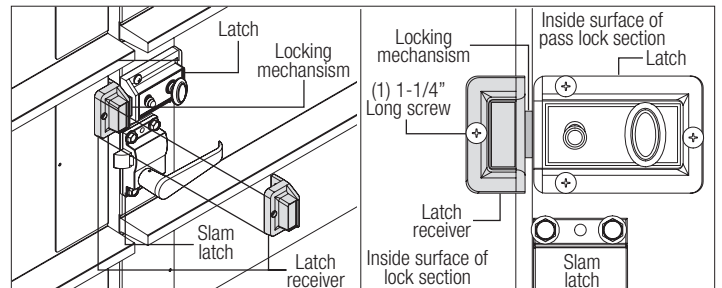


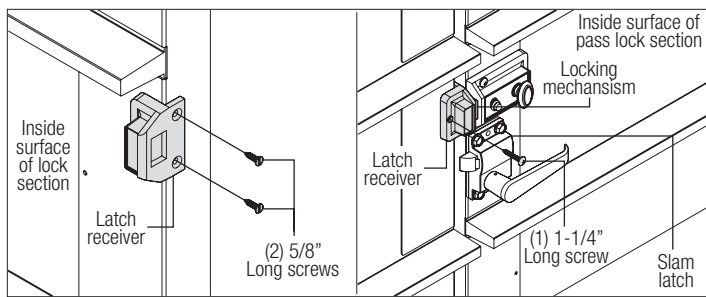
6

Latch Receiver

Tools Required: Power drill, Socket driver 7/16", Phillips head screwdriver, Flat head screwdriver, Step ladder, Safety glasses, Tape measure

Open the passdoor. From the inside of the pass lock section, center and align the latch receiver with the previously installed latch. Once the latch receiver is in position, mark the (3) hole locations onto the inside surface of the pass lock section. Secure the latch receiver to the pass lock section using (2) 5/8" long screws. Next, secure the latch receiver to the pass lock section using (1) 1-1/4" long screw, as shown.



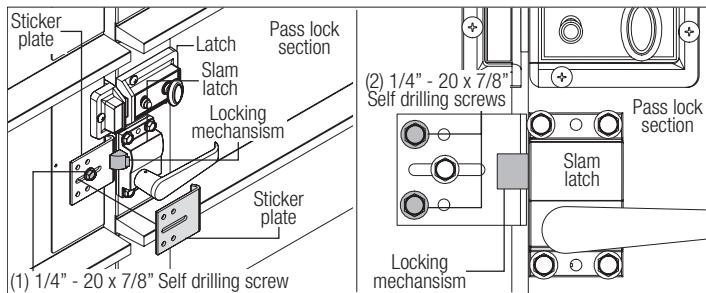


7

Striker Plate

Tools Required: Power drill, 7/16" Socket driver, Step ladder, Safety glasses, Tape measure

From the inside of the pass lock section, center and align the striker plate with the previously installed slam latch, as shown. Once the striker plate is in position, loosely secure the striker plate to the pass lock section surface using (1) 1/4" - 20 x 7/8" self drilling screw into the middle slot. If needed, make any adjustments to the position of the striker plate. Next, secure the striker plate to the pass lock section surface using (2) 1/4" - 20 x 7/8" self drilling screws, as shown.



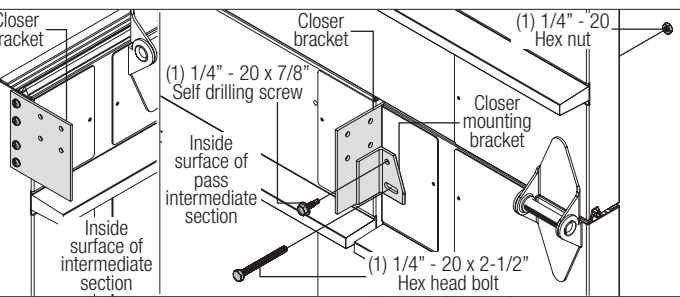
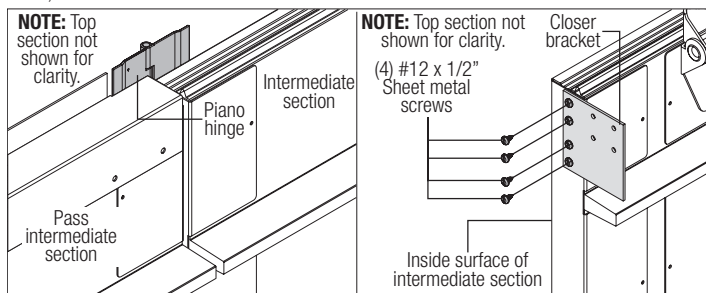
8

Closer Bracket

Tools Required: Power drill, 7/16" Socket driver, 1/4" Drill bit, Flat head screwdriver, Level, Step ladder, Safety glasses, Tape measure

Open the pass door. From the inside of the pass intermediate section and on the piano hinge side, center the edge of the closer bracket with the middle of the intermediate section width, as shown. Once the closer bracket is in position, secure the closer bracket to the center of the intermediate section using (4) #12 x 1/2" sheet metal screws.

NOTE: When installing the closer bracket to the center of the intermediate section, ensure the (4) #12 x 1/2" sheet metal screws are going into the center of the intermediate section width, as shown.



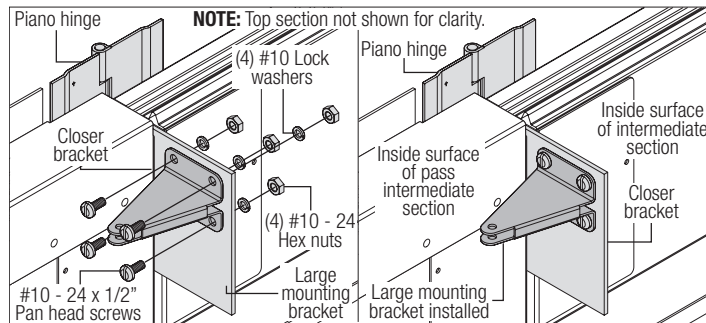
9

Large Mounting Bracket

Tools Required: Power drill, Flat head screwdriver, Level, Step ladder, Safety glasses, Tape measure

Align the four holes of the large mounting bracket with the four holes in the closer bracket. Secure the large mounting bracket to the closer bracket using (4) #10 - 24 x 1/2" pan head screws, (4) #10 lock washers and (4) #10 - 24 hex nuts, as shown. Close the pass door.

NOTE: When installing the closer bracket, ensure the (4) #10 - 24 x 1/2" pan head screws are going through the large mounting bracket first then the closer bracket. The (4) lock washers and the (4) #10 - 24 hex nuts **MUST** be on the opposite end of the closer bracket, as shown.

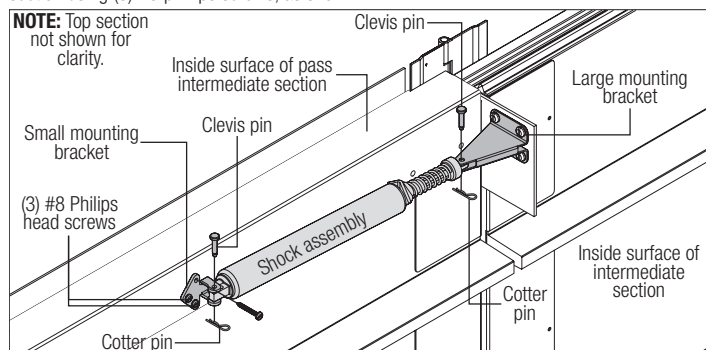


10

Shock Assembly

Tools Required: Power drill, 7/16" Socket driver, Phillips head screwdriver, Level, Step ladder, Safety glasses, Tape measure

Position the shock assembly into the large mounting bracket. Secure the shock assembly to the large mounting bracket using (1) clevis pin and (1) cotter pin. Next, position the shock assembly into the small mounting bracket. Secure the shock assembly to the small mounting bracket using (1) clevis pin and (1) cotter pin, as shown. Next position the shock assembly up to the inside surface of the pass intermediate section. Horizontally level the shock assembly up against the inside surface of the pass intermediate section. Using the small mounting bracket as a template, mark the three hole locations onto the inside surface of the pass intermediate section. Next, secure the small mounting bracket to the intermediate passdoor section using (3) #8 phillips screws, as shown.



11

Drip Edge

Tools Required: Power drill, 7/16" Socket driver, Step ladder, Safety glasses, Tape measure

On the outside of the door, position the drip edge onto the top section and just above the pass door, as shown.

NOTE: Ensure there is enough clearance between top of the pass door and the bottom edge of drip edge. This will ensure the pass door will open and close without interference from the drip edge.

Using the drip edge as a template, mark each hole location onto the section surface. Secure the drip edge to the top section using #8 phillips screws, as shown.

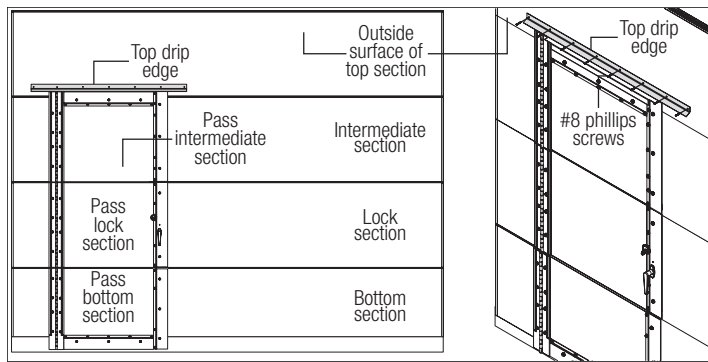
CAUTION

BE CAREFUL TO KEEP DRILL STRAIGHT WHEN PRE-DRILLING. SECTION DAMAGE CAN RESULT FROM FAILURE TO KEEPING THE DRILL STRAIGHT.

NOTE: Do not enlarge hole into the intermediate section.

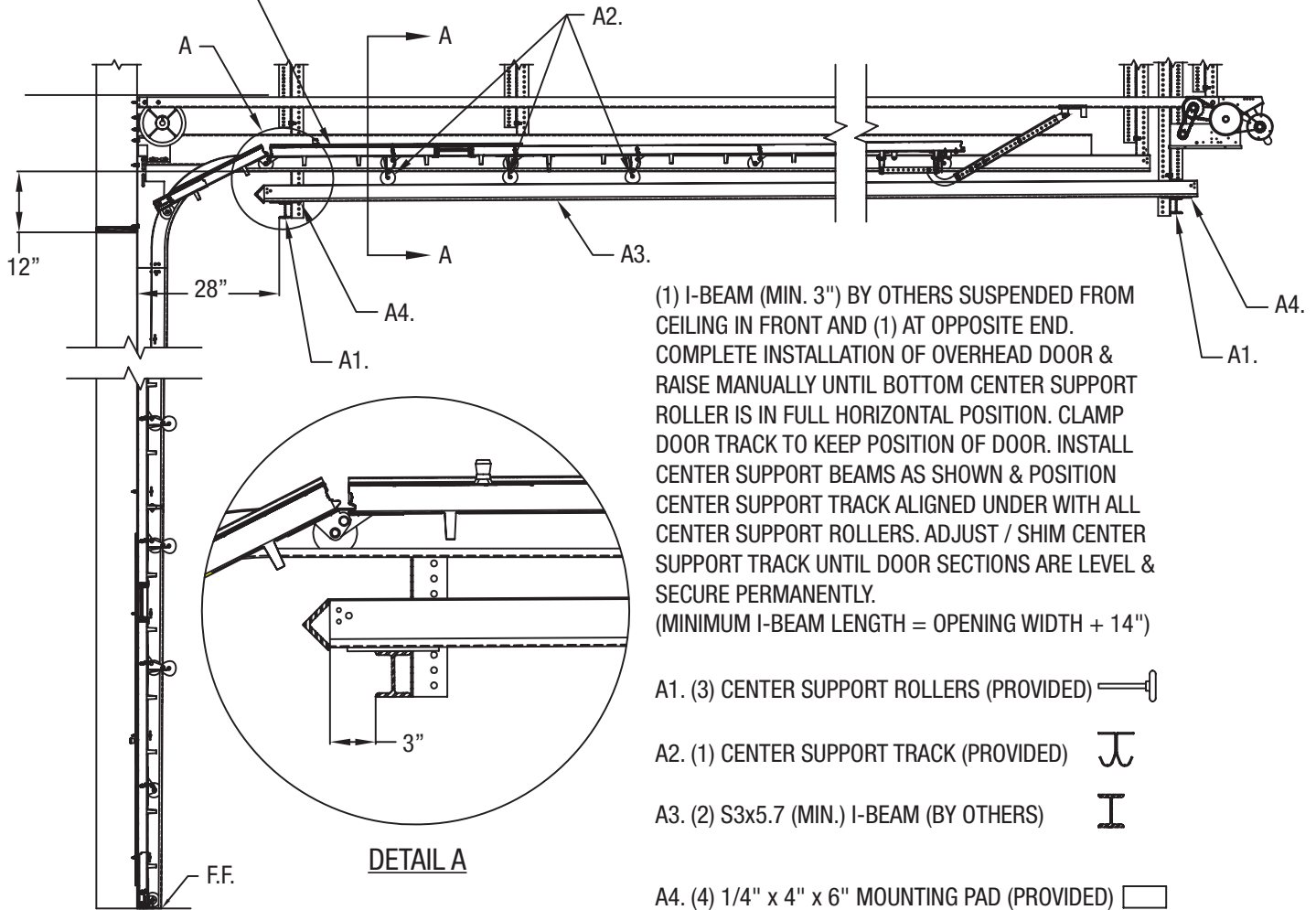
Secure the closer bracket to the intermediate section using (1) 1/4" - 20 x 2-1/2" hex head bolt and (1) 1/4" - 20 hex nut, as shown. Next, install (1) 1/4" - 20 x 7/8" self drilling screw into the top hole of the closer mounting bracket, as shown.

IMPORTANT! MAKE SURE THERE IS A SMOOTH TRANSITION BETWEEN THE PASS INTERMEDIATE SECTION AND THE INTERMEDIATE SECTION.



CENTER SUPPORT TRACK

DOOR IN OPEN POSITION
(TS 200 SHOWN)



(1) I-BEAM (MIN. 3") BY OTHERS SUSPENDED FROM CEILING IN FRONT AND (1) AT OPPOSITE END. COMPLETE INSTALLATION OF OVERHEAD DOOR & RAISE MANUALLY UNTIL BOTTOM CENTER SUPPORT ROLLER IS IN FULL HORIZONTAL POSITION. CLAMP DOOR TRACK TO KEEP POSITION OF DOOR. INSTALL CENTER SUPPORT BEAMS AS SHOWN & POSITION CENTER SUPPORT TRACK ALIGNED UNDER WITH ALL CENTER SUPPORT ROLLERS. ADJUST / SHIM CENTER SUPPORT TRACK UNTIL DOOR SECTIONS ARE LEVEL & SECURE PERMANENTLY.
(MINIMUM I-BEAM LENGTH = OPENING WIDTH + 14")

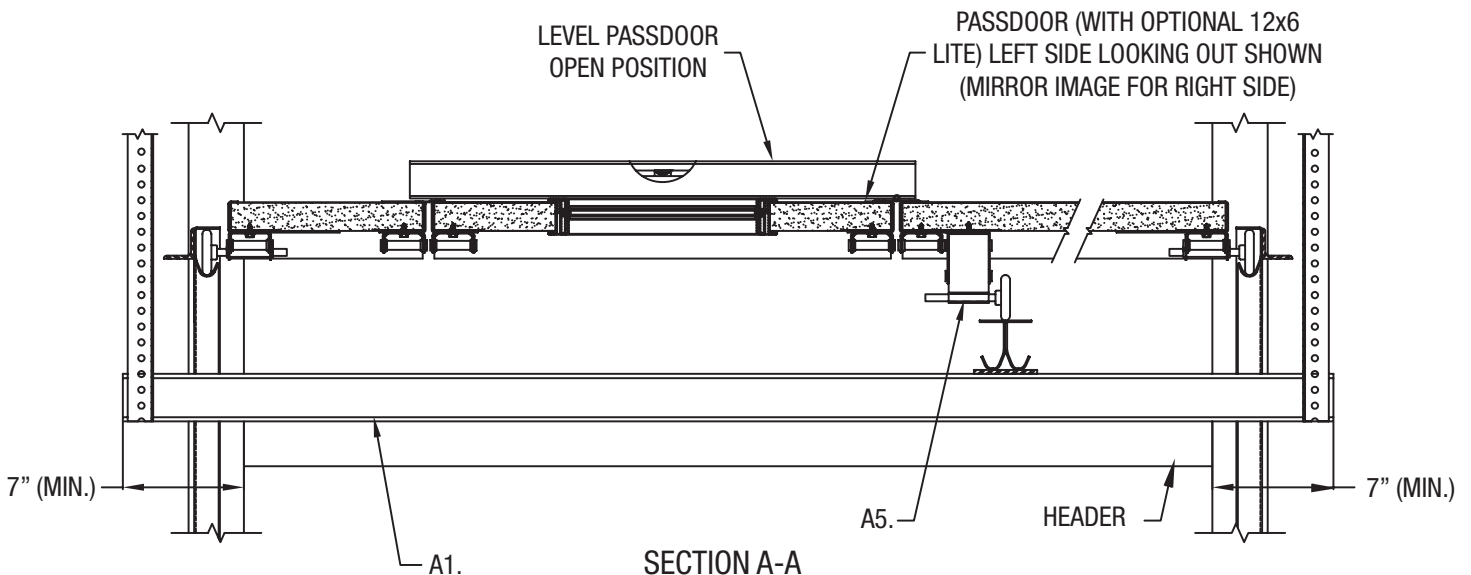
A1. (3) CENTER SUPPORT ROLLERS (PROVIDED) 

A2. (1) CENTER SUPPORT TRACK (PROVIDED) 

A3. (2) S3x5.7 (MIN.) I-BEAM (BY OTHERS) 

A4. (4) 1/4" x 4" x 6" MOUNTING PAD (PROVIDED) 

A5. (3) SPECIAL PURCHASED No. 13 HINGES 



SECTION A-A

Thank you for your purchase.

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