



Full Frame Wooden Double Dutch Door Assembly & Installation Instructions



System Equine

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Full Frame Wooden Double Dutch Door Instructions

Before You Get Started

- Read the entire instructions before you begin.
- Wear appropriate safety gear when using saws and drills. This is not limited to, safety glasses, hearing protection, and work gloves.
- Please know that ****STEEL MAY HAVE SHARP EDGES AND CAN CUT****
- Get help moving parts and building the door, as some pieces are heavy and awkward to handle.
- These instructions are for a Wooden Double Dutch Door with Full Frame. On custom doors, some steps are not applicable, dimensions, and in some cases quantities may be different than those shown.

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What You Need

Tools:

- Circular saw
- Blade for above to cut 2" x 6" lumber
- Impact drill
- Caulking gun

- 3/8" hex impact driver bit
- Robertson #3 screw driver bit
- Philips driver bit
- #25 Torx bit
- Caulking to match door

- 3/4 wrench and socket
- 15/16 wrench and socket

- Hammer
- Level
- Tape measure

Wood:

- Cedar shims (Wood Wedges)

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Parts List

Part #	Description	Qty
011-DDTDWP	Wooden Dutch Door Top Door	2
011-DDBD	Wooden Dutch Door Bottom Door	2
011-DDD-F	Double Dutch Door Frame	1
365-101	Iron Grip Latch Heavy Duty Latch with Cast Handle	1



364-DLSB	Spring Bolt with Chain	1
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364-DLCB	Cane Bolt 1/2" x 12"	1
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02-2010	Screw #12 x 1 1/4" Truss Quad JS500 Plated	8
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364-SLZ	Spring Latch 1/2" x 6" Zinc Plated	2
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Full Frame Wooden Double Dutch Door Instructions

Parts List (Continued)



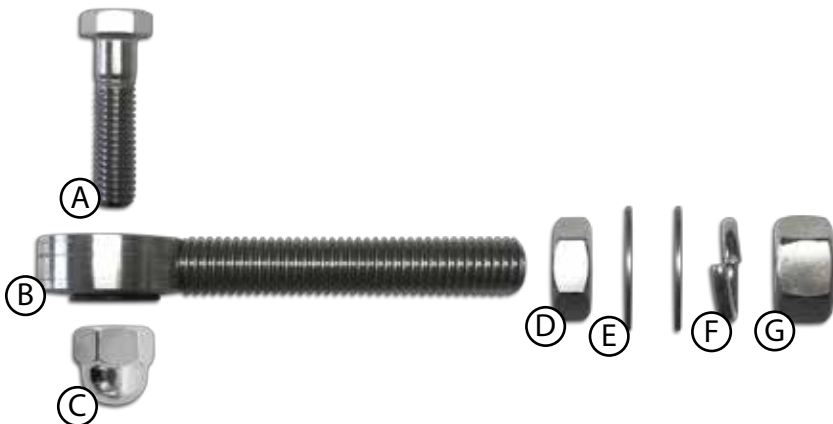
Part #	Description	Qty
02-2162	Lag Bolt 1/4" x 3" Hot Dipped Galv 	19
02-2302	Washer 1/4" Hot Dipped Galv 	19
02-2245	Nut 1/2" Acorn Stainless Steel <i>See Part C in Diagram 1</i>	8
02-2332	Washer 5/8" Lock Stainless Steel <i>See Part F in Diagram 1</i>	8
02-2252	Nut 5/8" Lock Stainless Steel <i>See Part D in Diagram 1</i>	8
02-2128	Hex Bolt 1/2" x 2" Stainless Steel <i>See Part A in Diagram 1</i>	8
02-2254	Nut 5/8" Jam Stainless Steel <i>See Part G in Diagram 1</i>	8
02-HA-020-W-AB	Eyebolt Loop Weldment for Adjustable Hinge w/Bushing <i>See Part B in Diagram 1</i>	8
02-2229	Washer 5/8" Stainless 1 1/2" OD <i>See Part E in Diagram 1</i>	16

Diagram 1



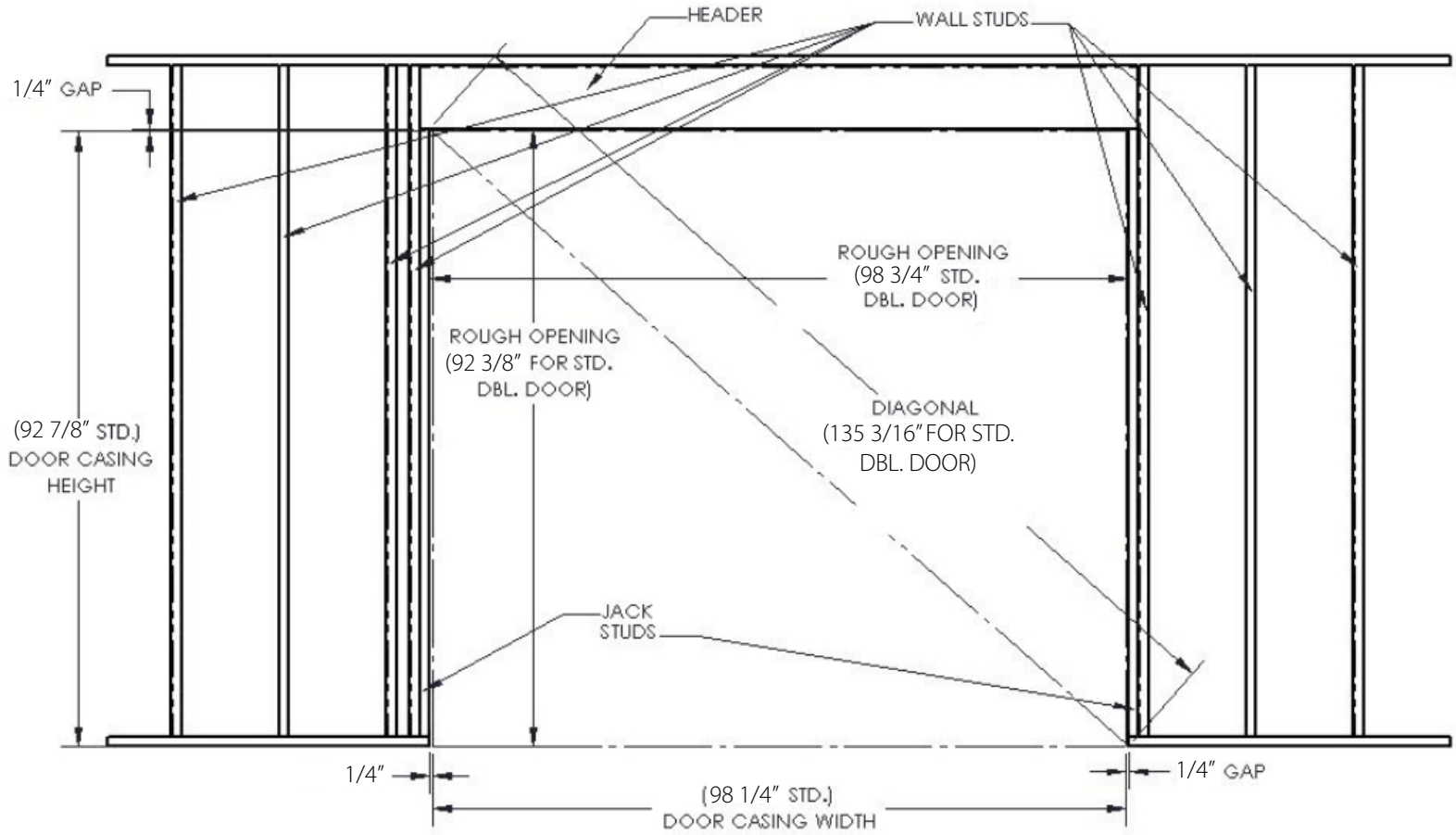
Full Frame Wooden Double Dutch Door Instructions

Parts List (Continued)

Part #	Description	Qty
02-DDPLUG1	Dutch Door Plug 1" 	19
02-2310	Washer 3/8" Hot Dipped Galv 	4
02-2220	Nut 3/8" Hot Dipped Galv 	4
02-2110	Hex Bolt 3/8" x 1" Hot Dipped Galv G5 	4
02-2022	Screw Tek #12 x 1 1/4" Pan Head 	40
02-364-HA16	16" Strap Hinge Laser Strap 	8
02-2166	Lag Bolt 3/8" x 1 1/2" Hot Dipped Galv 	32
02-DDDH	Dutch Door 490 Cast Aluminum Door Holder 	2

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Rough Opening



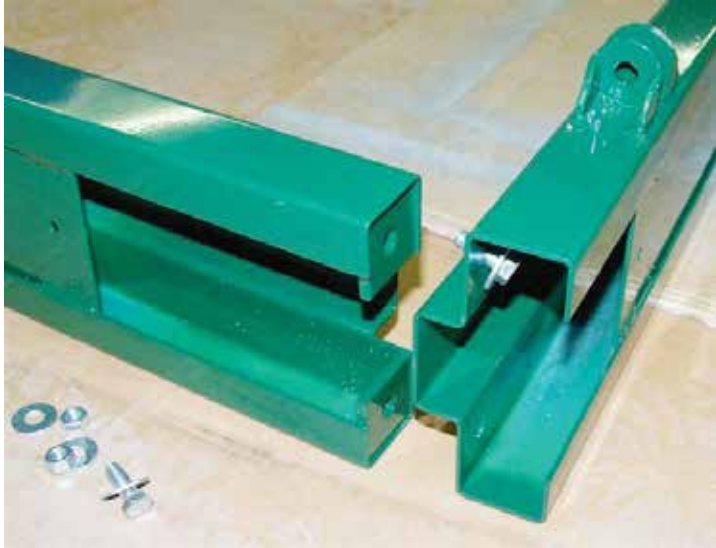
TYPICAL 98 3/4" INSTRUCTION

- * DOOR OPENING MUST BE SQUARE
- ** CHECK THAT DIAGONALS ARE EQUAL

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Step 1

The frame assembly comes in three pieces and is bolted together on site. Lay out the top, left, and right sides. Then use the 3/8" bolts and washers provided to bolt the frame together.



Parts used:

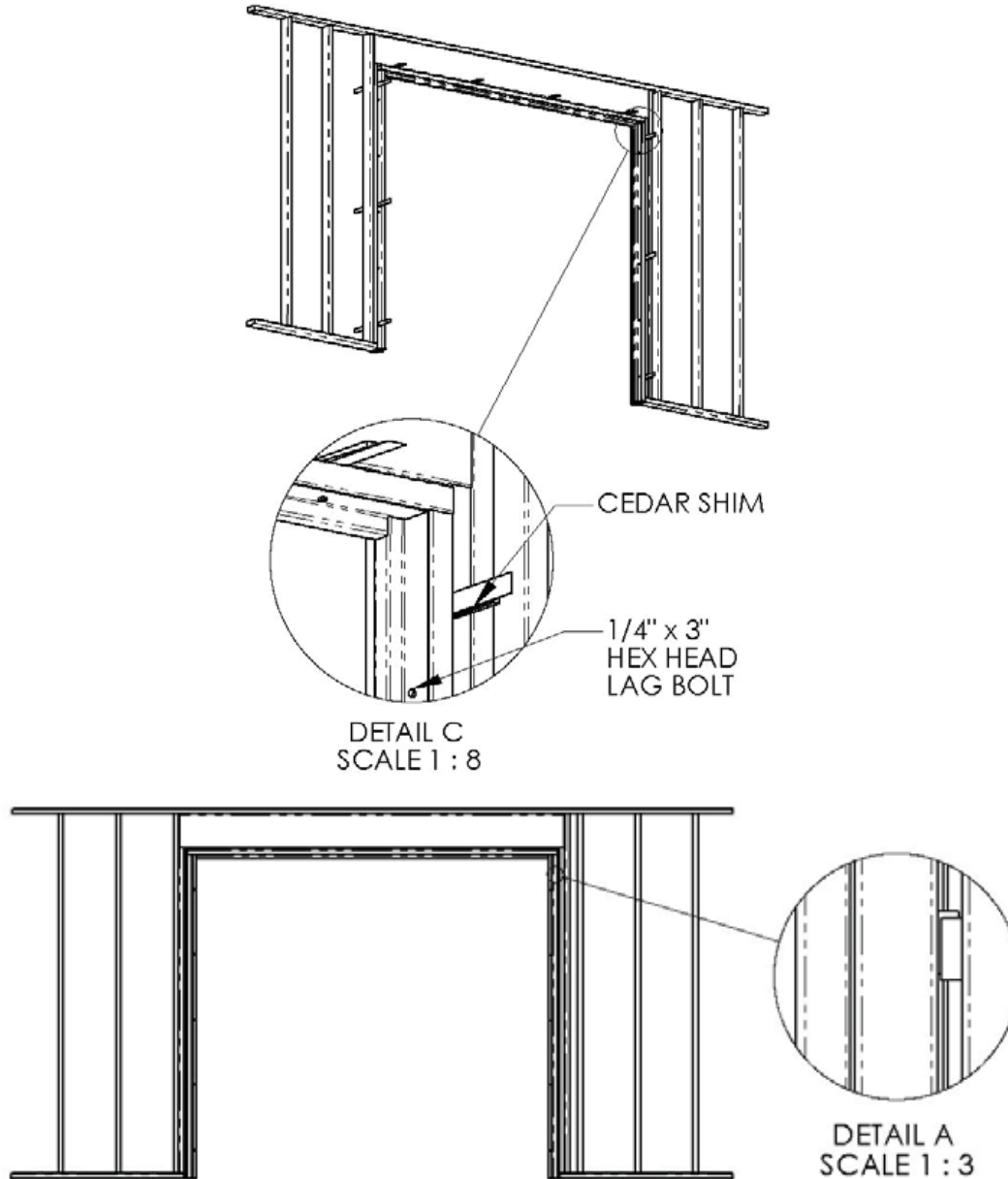
Part #	Description	Qty
02-2310	Washer 3/8" Hot Dipped Galv 	4
02-2220	Nut 3/8" Hot Dipped Galv 	4
02-2110	Hex Bolt 3/8" x 1" Hot Dipped Galv G5 	4

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Step 2

Tip up the frame assembly, and center in the rough opening. Level the frame using shims, and with 1/4" x 3" Hex Head Lag Bolts, replace the #12 x 1 1/4" Philips Truss Head screws as you go around. It is very important to ensure the frame is perfectly level and square.

NOTE: Frame must be flush with finished wall if you want the door to open 180 degrees.



Parts used:

Part #	Description	Qty
02-2162	Lag Bolt 1/4" x 3" Hot Dipped Galv	19
		
02-2302	Washer 1/4" Hot Dipped Galv	19
		

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Step 3

The doors are all labelled—marked on the interior of the door. They are labelled for door 1 and door 2—additionally left and right based on standing inside the barn and looking out the opening.



Mount frame in the opening. Ensure bottom of the frame is determined based on the hinge placement. Doors swing in—all the hinges are mounted on the inside of the door (marked side—opposite for swing-out) using 3/8" x 1 1/2" Lag Bolts provided. Hinges get centered on the horizontal frame of both the top and the bottom. Flush to the edge of the door.

Hang the doors as per the marked instructions and adjust hinges as necessary to ensure even gapping and clearances.

Install Spring Bolt (Step 9), Spring Latch (Step 10), and Cane Bolt on fixed door (Step 6).

Install Iron Grip Latch (Step 7) and Spring Latch (Step 10) on prominent door.

Parts used:

Part #	Description	Qty
02-364-HA16	16" Strap Hinge Laser Strap 	8
02-2166	Lag Bolt 3/8" x 1 1/2" Hot Dipped Galv 	32

Full Frame Wooden Double Dutch Door Instructions

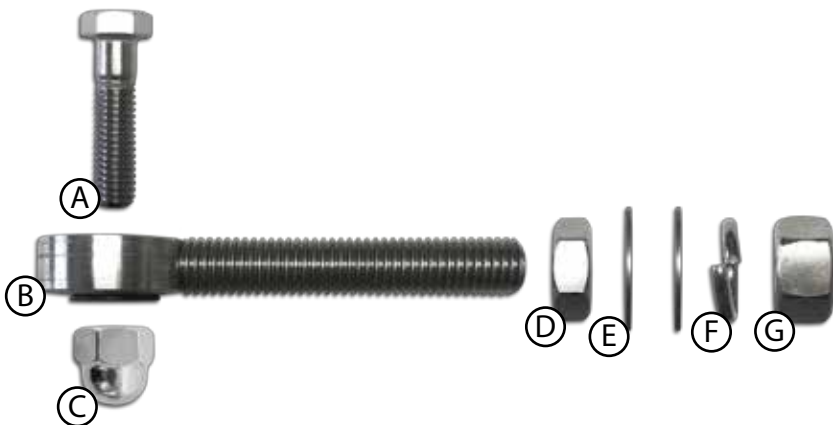
Step 4

Assemble the eye bolt loops on all doors as shown below. Hand-tighten nuts on the eye bolts.

NOTE: The Delron bushing on the hinge always faces down.

Parts used:

Part #	Description	Qty
02-2128	Hex Bolt 1/2" x 2" Stainless Steel <i>See Part A in Diagram 1</i>	8
02-HA-020-W-AB	Eyebolt Loop Weldment for Adjustable Hinge w/Bushing <i>See Part B in Diagram 1</i>	8
02-2245	Nut 1/2" Acorn Stainless Steel <i>See Part C in Diagram 1</i>	8
02-2252	Nut 5/8" Lock Stainless Steel <i>See Part D in Diagram 1</i>	8
02-2229	Washer 5/8" Stainless 1 1/2" OD <i>See Part E in Diagram 1</i>	8
02-2332	Washer 5/8" Lock Stainless Steel <i>See Part F in Diagram 1</i>	16
02-2254	Nut 5/8" Jam Stainless Steel <i>See Part G in Diagram 1</i>	8



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Step 5

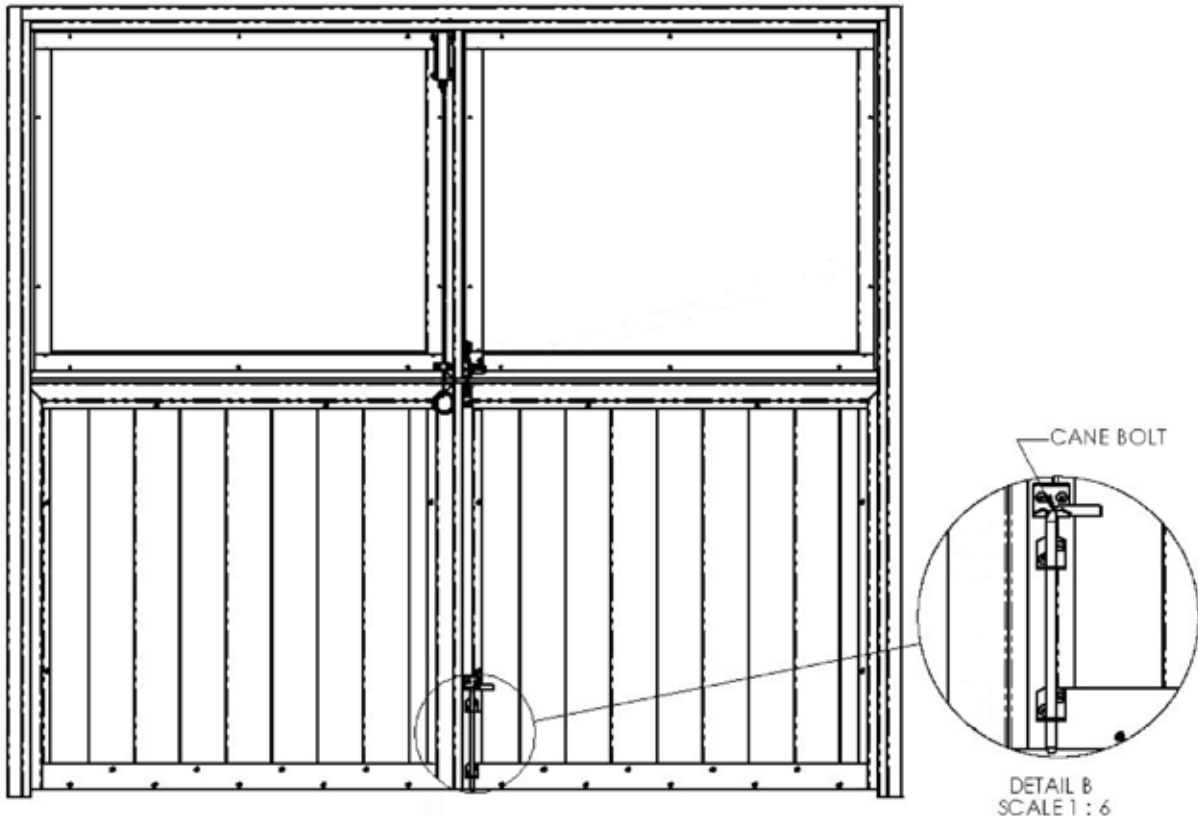
Adjust the top doors:

First level the doors in both directions, making sure that the distance in the middle of the doors is even.

Level the bottom doors to line up with the top doors, snugging them up against the frame.

Step 6

Install the cane bolt on the bottom of the door. Cane bolts will always be installed on the inside of the doors.



Parts used:

Part #	Description	Qty
364-DLCB	Cane Bolt 1/2" x 12"	1

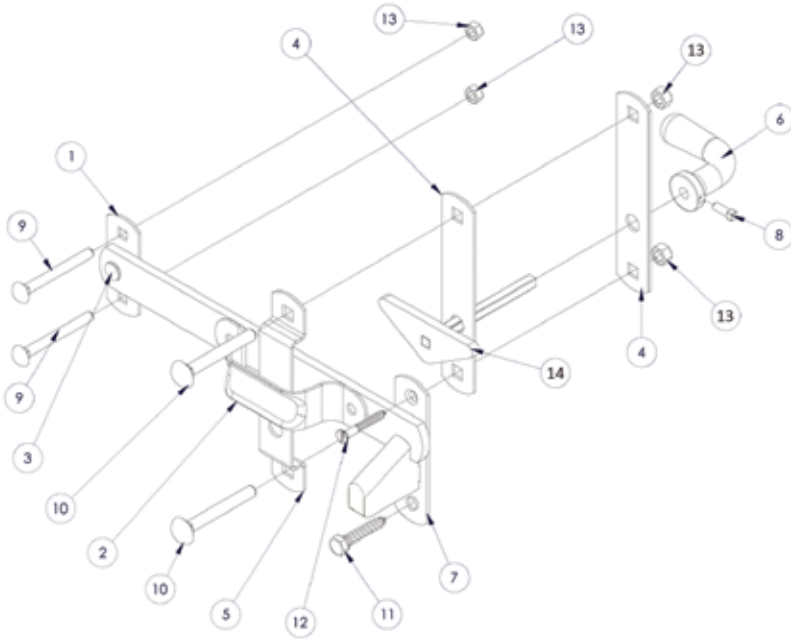


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Step 7

Install the Iron Grip Latch. Instructions can be found here:

https://systemequine.com/pub/media/wysiwyg/pdf/365-100_Iron_Grip_Latch_Instructions_01.19.pdf



#	Part #	Description	Qty
1	365-236	Iron Grip Handle Pivot Plate Painted	1
2	365-125	Iron Grip Handle Painted	1
3	02-2212	Nut 5/16" Acorn Stainless	1
3A	02-PGL-WASHER	Iron Grip 5/16" Plastic Washer	1
4	365-120	Iron Grip Front/Back Plate Painted	2
5	365-124	Iron Grip Handle Guide Painted	1
6	365-121	Iron Handle Grip Painted	1
7	365-123	Iron Grip Catch Painted	1
8	02-PGL-SCREW	Iron Grip 5/16" x 5/8" Square Head Set Screw	1
9	02-2180	Carriage Bolt 5/16" x 5 1/2" Stainless	2
10	02-2180	Carriage Bolt 5/16" x 5 1/2" Stainless	2
11	02-2166	Lag Bolt 3/8" x 1 1/2" Hot Dipped Galv	1
12	02-2016	Screw #12 x 2 1/2" Robertson Flat Socket	1
Steel Frame Door Install			
	02-2043	Screw Tek #14 x 1" Hex Head	1
	02-2032	Screw Tek #10 x 1 1/4" Wafer Head	1
13	02-2212	Nut 5/16" Acorn Stainless	4
14	365-122	Iron Grip Triangle Cam Painted	1

Parts used:

Part #	Description	Qty
365-101	Iron Grip Latch Heavy Duty Latch with Cast Handle	1



Step 8

Install the Dutch Door Plugs.

Parts used:

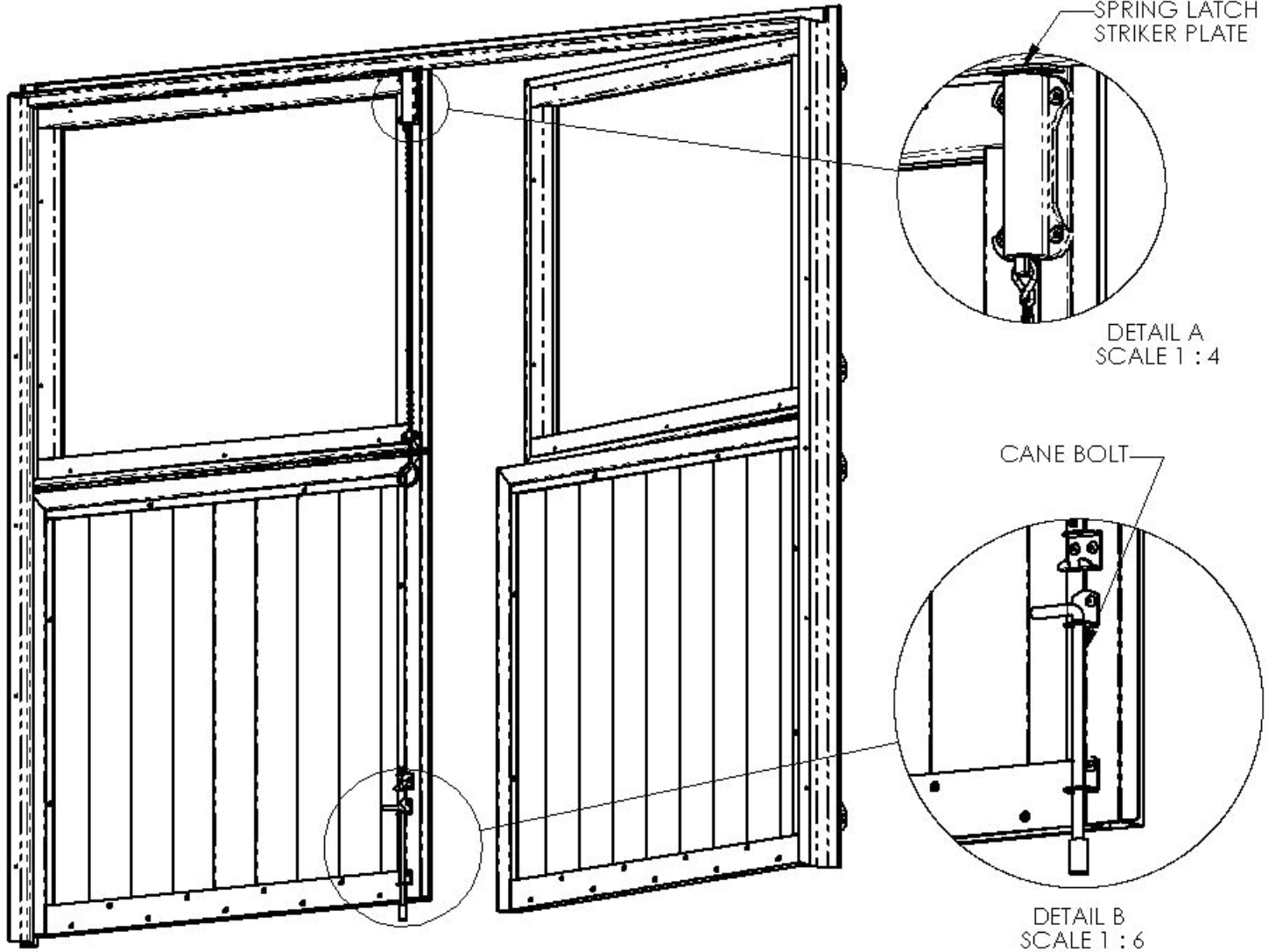
Part #	Description	Qty
02-DDPLUG1	Dutch Door Plug 1"	19



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Step 9

Install the Spring Bolt to the top of the frame.



Parts used:

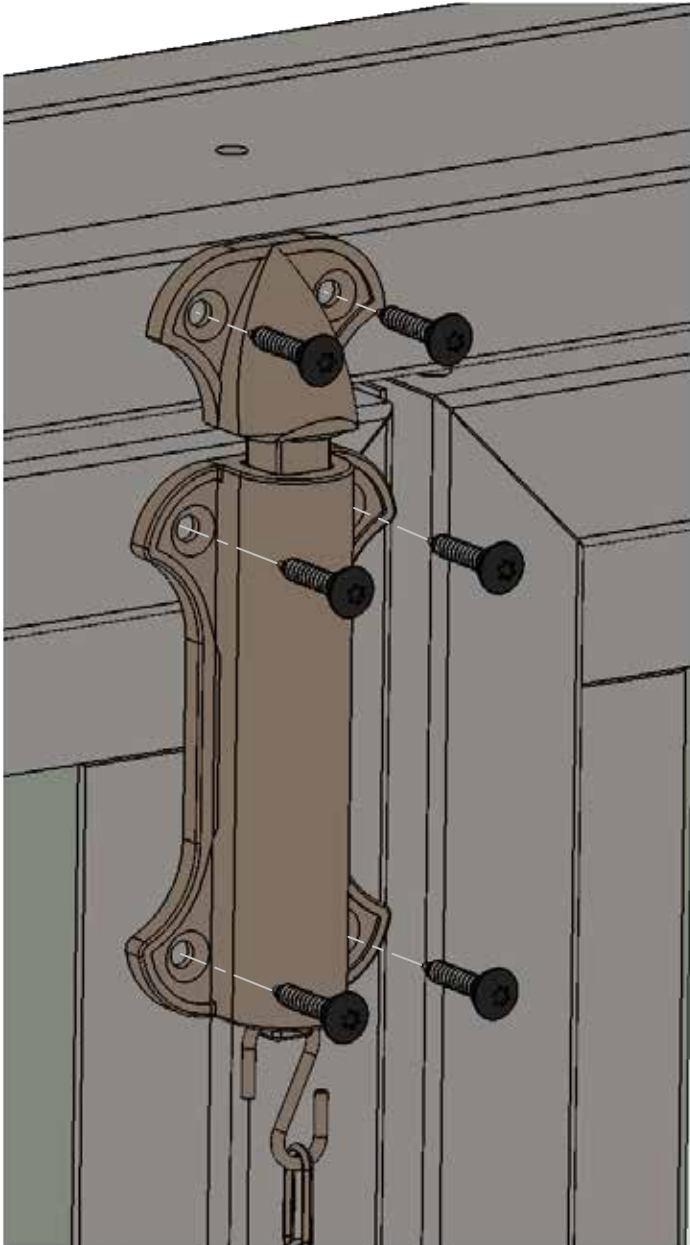
Part #	Description	Qty
364-DLSB	Spring Bolt with Chain	1



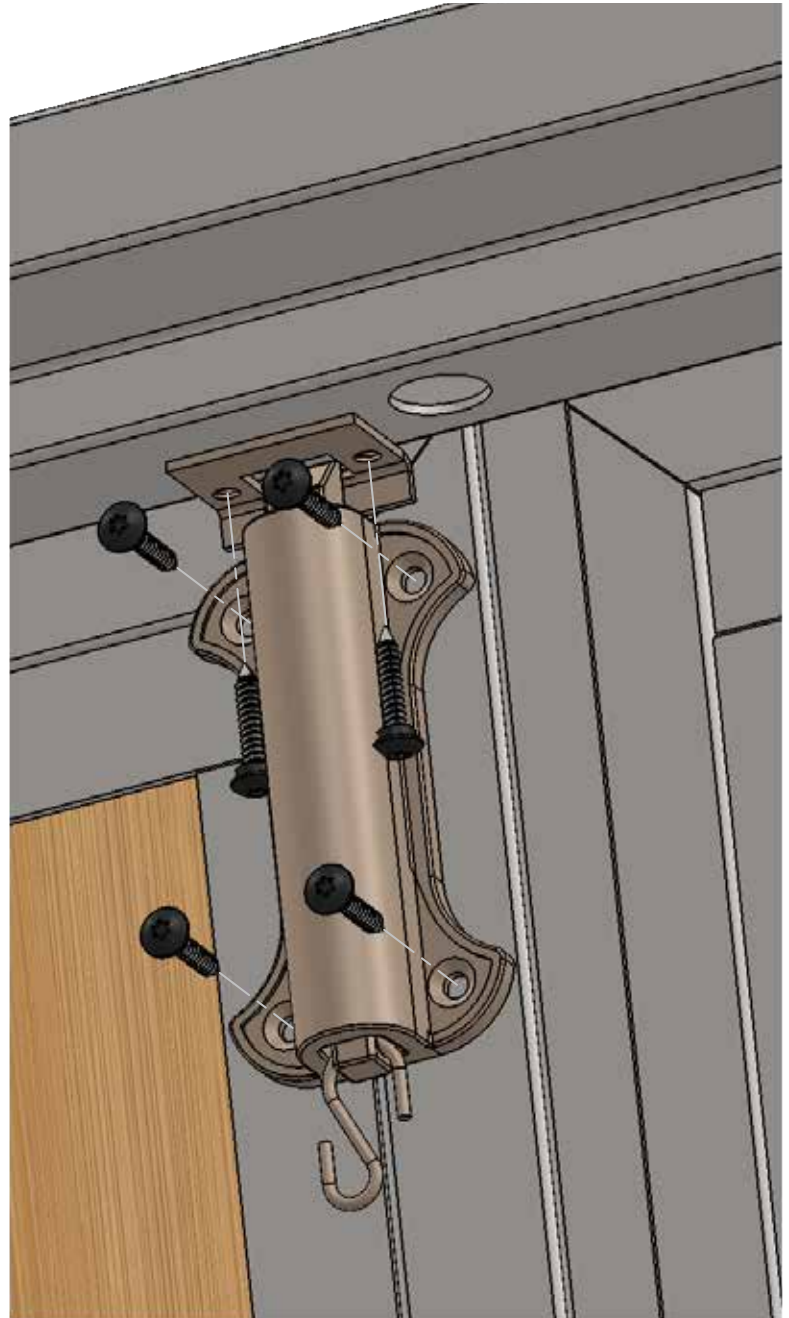
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Step 9

Mounting Spring Latch on swing-in Dutch door



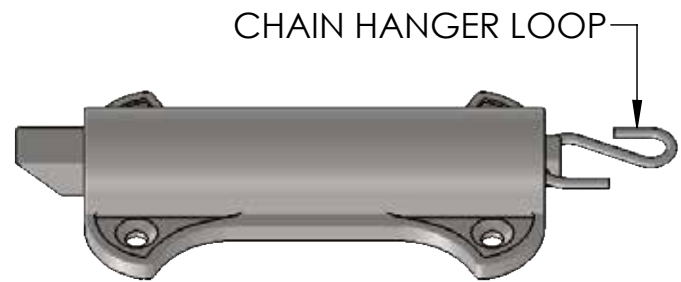
Mounting Spring Latch on swing-out Dutch door



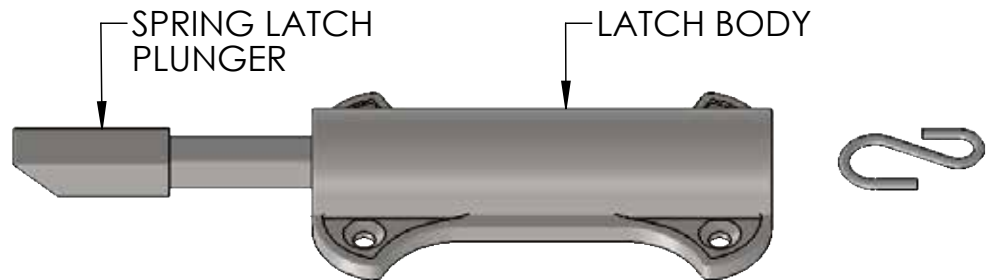
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Step 9

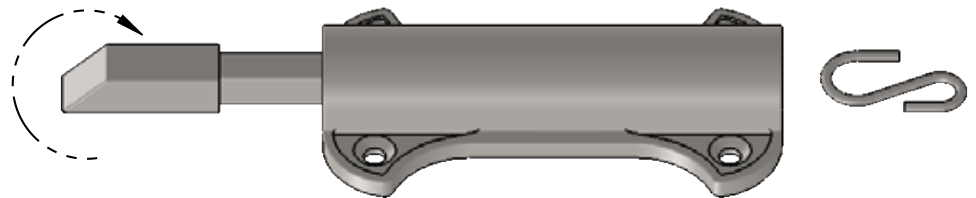
Remove chain hanger loop from the end of the spring latch plunger.



Slide the plunger out of the latch body making sure the spring remains captivated.



Rotate the plunger 180 degrees so that the flat is at the bottom and the bevel is on the top.



Slide the plunger back into the latch body and re-attach the chain hanger loop.



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Step 10

Install the spring catch on the top door as pictured. Then, line up the catch with the pin and fasten to the bottom door.



Parts used:

Part #	Description	Qty
364-SLZ	Spring Latch 1/2" x 6" Zinc Plated	2



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Step 11

Install the Aluminum Door Holders as shown below.



Parts used:

Part #	Description	Qty
02-DDDH	Dutch Door 490 Cast Aluminum Door Holder	2

