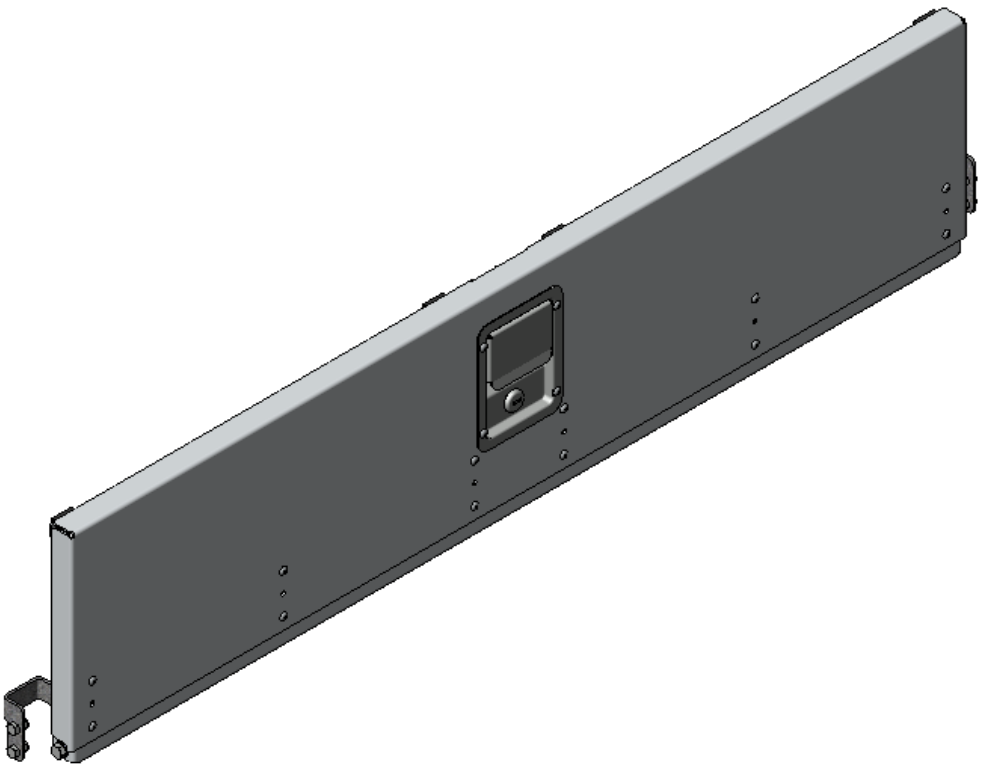
INSTALLATION GUIDE



77-U1048 Shelving Door

(ALUMINUM)

RANGER DESIGN

QUICK START GUIDE

Phase 1 - Assembly

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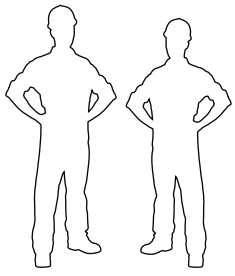
REQUIRED ITEMS



2 PERSONS

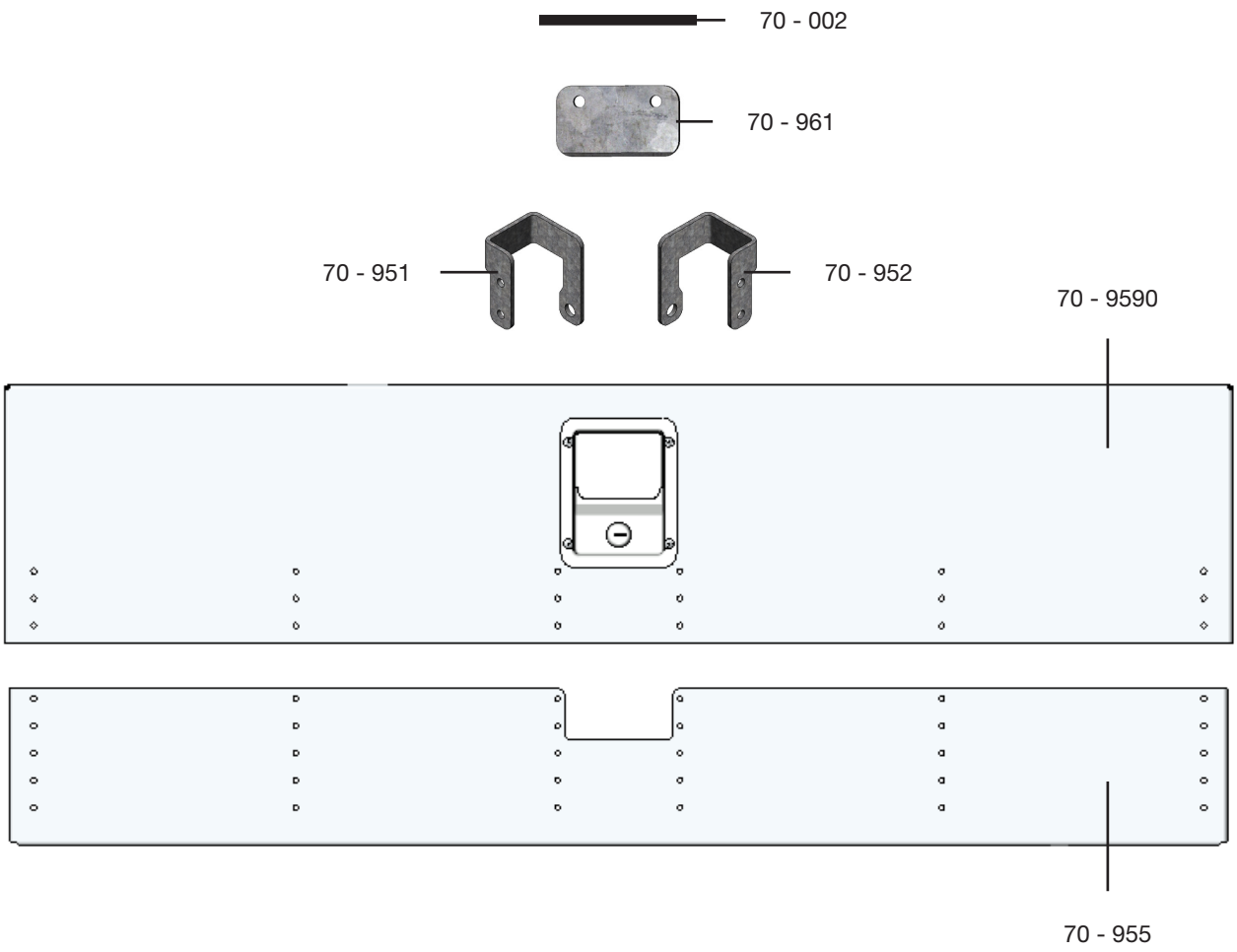
- ❑ Ratchet
- ❑ Rivet Gun
- ❑ Tape Measure
- ❑ Marker
- ❑ 1/2" Socket
- ❑ 7/16" Socket
- ❑ 7/16" Wrench
- ❑ 1/2" Wrench
- ❑ Knife

PHASE 1 – ASSEMBLY

1.1 SETUP

1.1.1 Unpack components; compare with the bill of materials.

NOTE: Work bench and locker has a different striker plate.



1.1.2 Verify all parts are present.

BILL OF MATERIALS

Item No.	Description	Qty.
70-002	Foam Tape (QTY in Inches)	4
70 - 951	Door Bracket (Left)	1
70 - 952	Door Bracket (Right)	1
70 - 955	Lower Door Panel	1
70 - 961	Striker Plate	1
70 - 9590	Upper Panel w/ Latch (48")	1
94 - 4031	Assembly Fastener Kit	1
96 - 4029	Install Fastener Kit	1

1.1.3 Fastener kits.

94 - 4031 Fastener Kit → Fastener Assembly

2×		**# 90-206**	Hex Bolt 5/16"-18 × 7/8" GR-5 ZINC
2×		**# 94-110**	Lock Nut 5/16" ZINC
12×		**# 96-202**	Closed End Blind Rivet 3/16" Type #64
2×		**# 98-134**	Shoulder Washer 5/16" NYLON
4×		**# 98-116**	Flat Washer 5/16" ZINC

2×

#90-206 Hex Bolt 5/16" × 7/8"
#98-134 Shoulder Washer
#98-116 Flat Washer
#98-116 Flat Washer
#94-110 Lock Nut

12×

#96-202 Closed End Blind Rivet

96 - 4029 Fastener Kit → Fastener Assembly

1×		**# 90-212**	Hex Bolt 5/16"-18 × 1 - 1/4" GR-5 ZINC
4×		**# 90-106**	Hex Bolt 1/4"-20 × 1/2" GR-5 ZINC
4×		**# 94-106**	Lock Nut 1/4" ZINC
2×		**# 92-200**	Screw HFH #10 - 16 × 3/4" ZINC
1×		**# 98-143**	Spacer .38" ID × .875" OD × .375" L Nylon

4×

#90-106 Hex Bolt 1/4" × 1/4"
#94-106 Lock Nut

2×

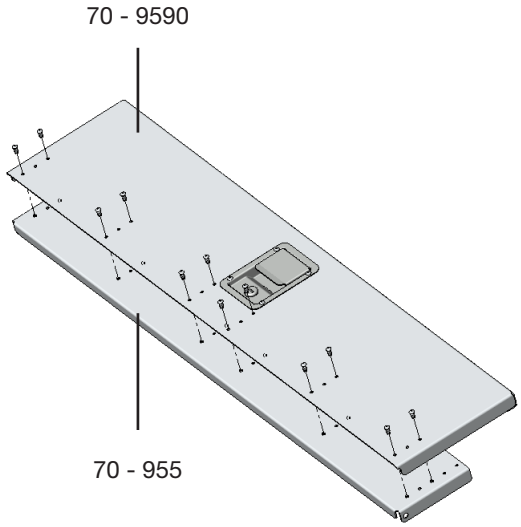
#92-200 Screw #10 - 16 × 3/4"

PHASE 1 – ASSEMBLY

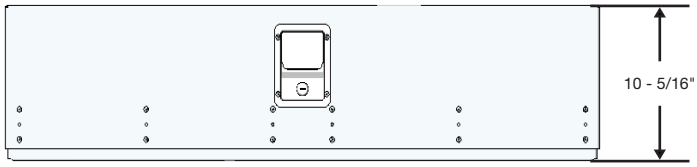
1.2 DOOR ASSEMBLY

1.2.1 Attach the lower door panel to the upper door panel.

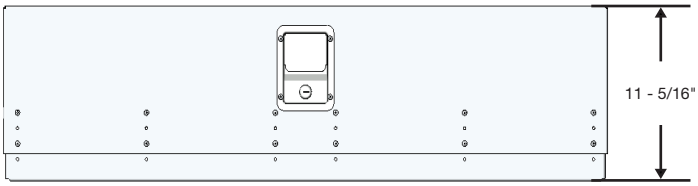
NOTE: The height of the door depends on the height between the two shelf trays.



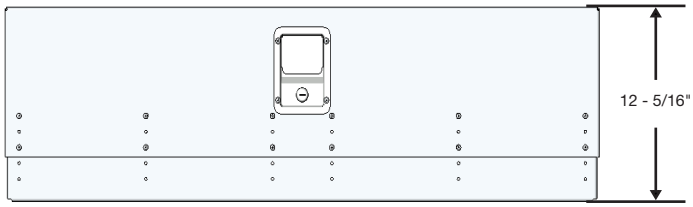
10 - 5/16" Door is for 13" height between two shelf trays or 9 holes.



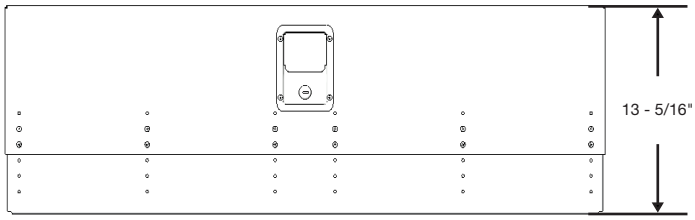
11 - 5/16" Door is for 14" height between two shelf trays or 10 holes.

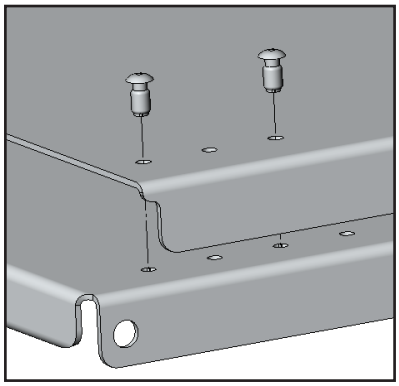


12 - 5/16" Door is for 15" height between two shelf trays or 11 holes.



13 - 5/16" Door is for 16" height between two shelf trays or 12 holes.





TOOLS

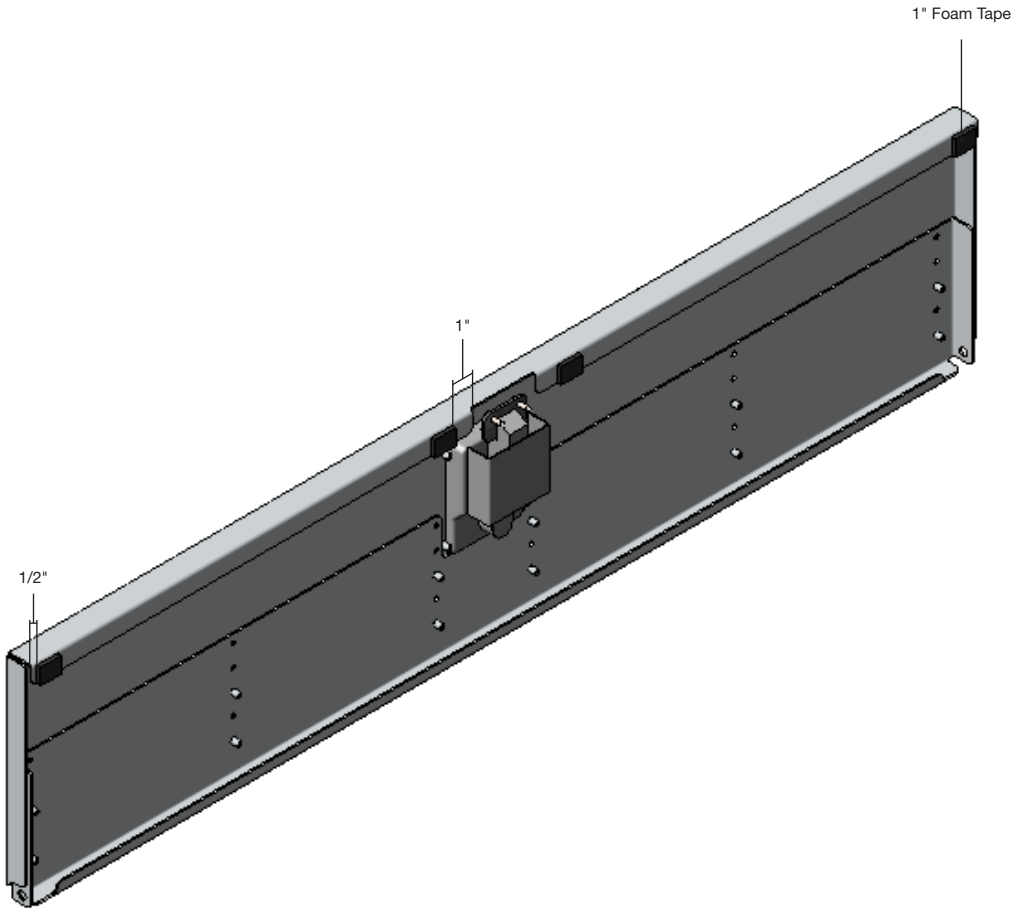
❑ Rivet Gun

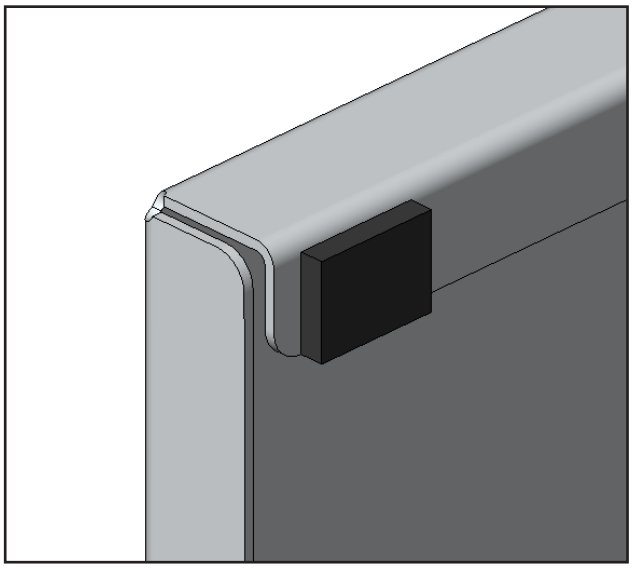
HARDWARE USED

12×

#96-202 Closed End Blind Rivet

1.2.2 Cut the foam tape into 4 pieces of 1", then attach the foam tape to the upper door panel.





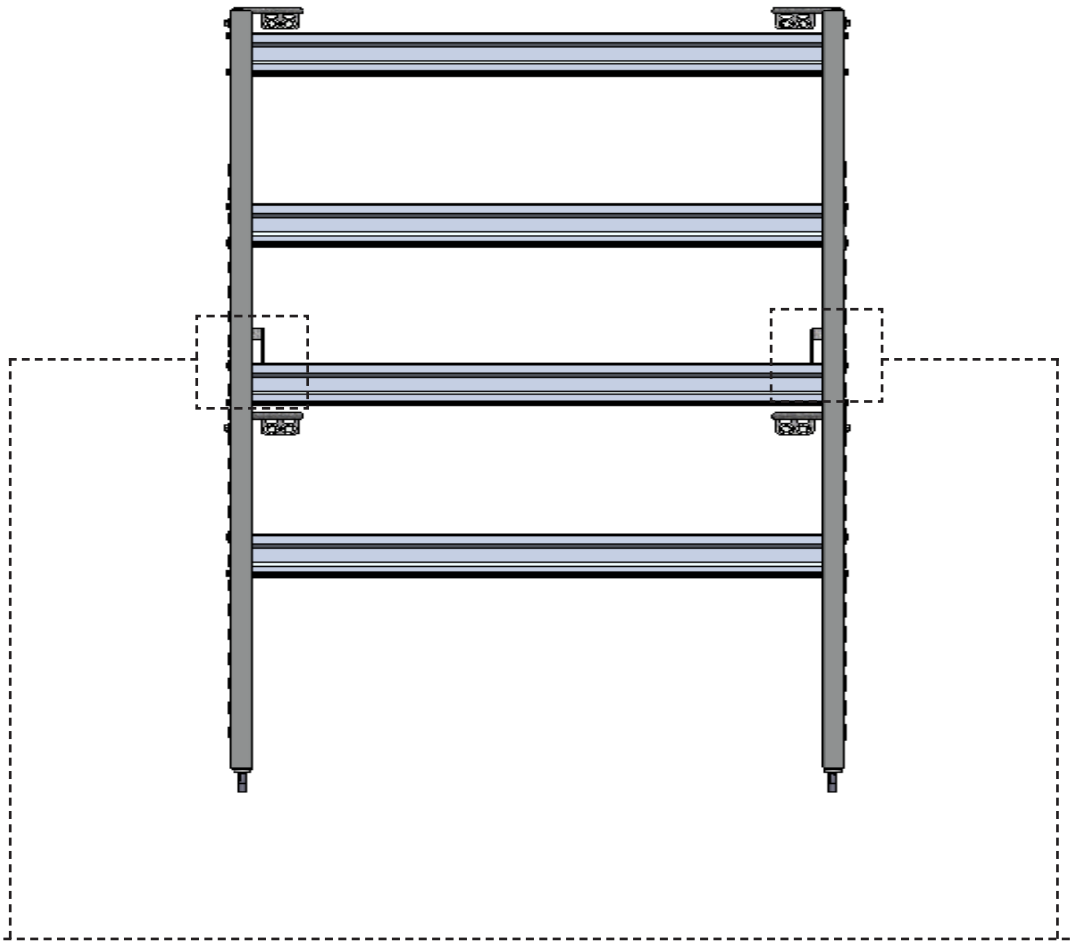
TOOLS

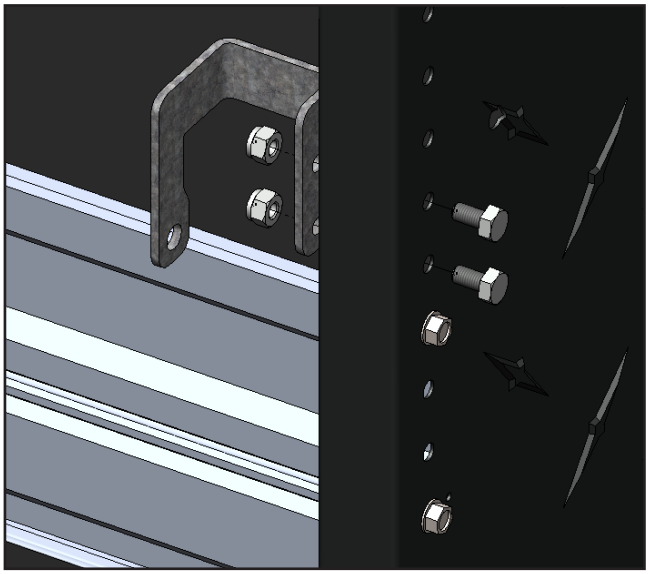
❑ Knife

PHASE 2 – INSTALLATION

2.1 DOOR INSTALLATION

2.1.1 Attach the brackets to the end panels.





TOOLS

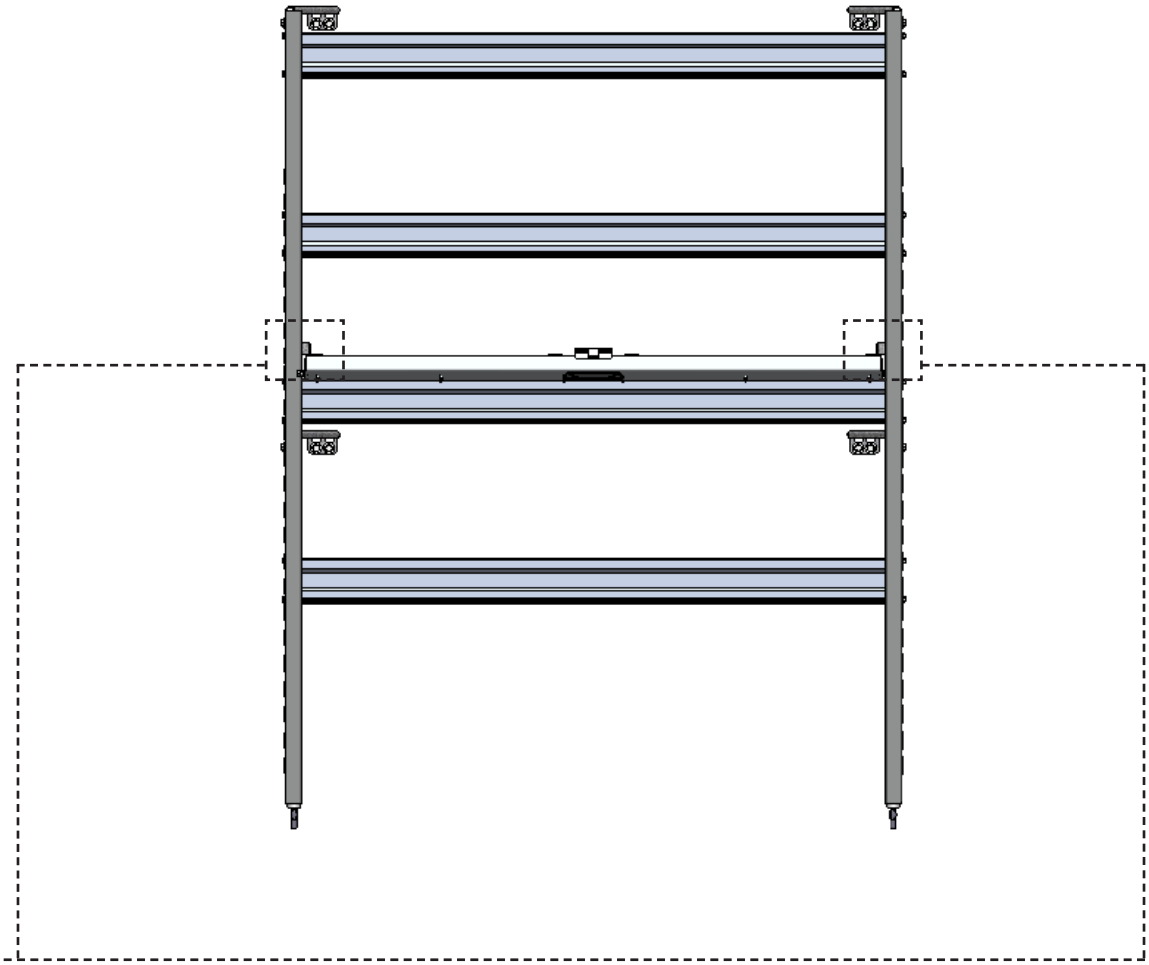
- ❑ Ratchet
- ❑ 7/16" Socket
- ❑ 7/16" Wrench

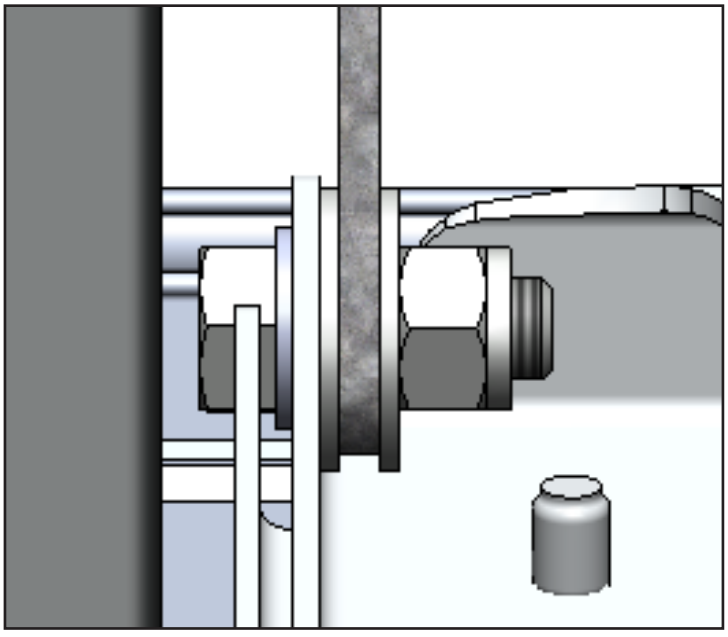
HARDWARE USED

4×

	#90-106 Hex Bolt 1/4" × 1/4"
	#94-106 Lock Nut

2.1.2 Attach the door to the brackets.





NOTE: Do not over tightened the bolts, make sure that the door works smoothly.

TOOLS

❑ 1/2" Wrench (2×)

HARDWARE USED

2×

#90-206 Hex Bolt 5/16" × 7/8"

#98-134 Shoulder Washer

#98-116 Flat Washer

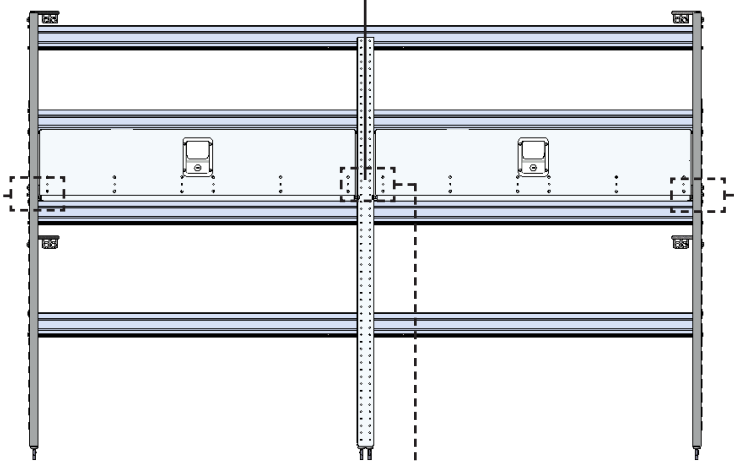
#98-116 Flat Washer

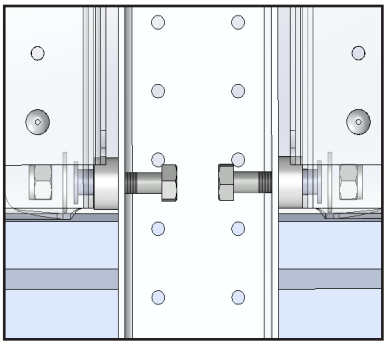
#94-110 Lock Nut

2.1.3 Attach the door brackets to the end panel, then attach doors to the end panel and center post.

DOOR INSTALLATION IN SHELF W/ CENTER POST

NOTE: don't use door brackets on this end of the door.





TOOLS

- ❑ 1/2" Wrench ×2

HARDWARE USED

2×

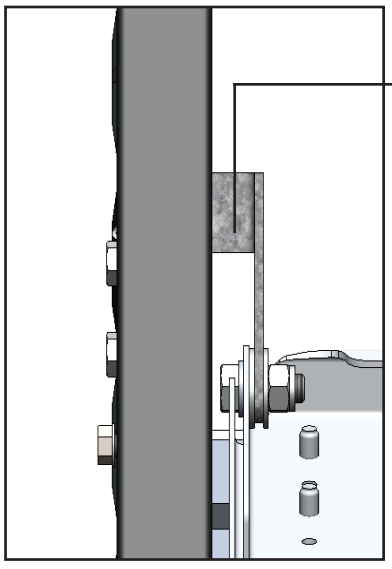
#90-212 Hex Bolt 5/16" × 1-1/4"

#98-143 Nylon Spacer

#98-134 Shoulder Washer

#98-116 Flat Washer

#94-110 Lock Nut



Attach the brackets 1st to the end panels before attaching the door panel to the brackets.

HARDWARE USED

4×

#90-106 Hex Bolt 1/4" × 1/4"

#94-106 Lock Nut

TOOLS

- ❑ 1/2" Wrench (2×)
- ❑ 7/16" Wrench (2×)

HARDWARE USED

2×

#90-206 Hex Bolt 5/16" × 7/8"

#98-134 Shoulder Washer

#98-116 Flat Washer

#98-116 Flat Washer

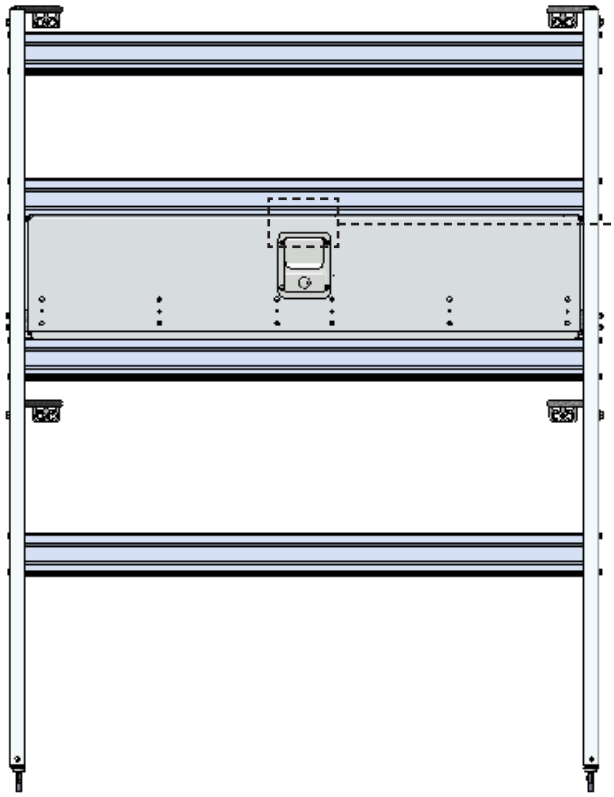
#94-110 Lock Nut

PHASE 2 – INSTALLATION

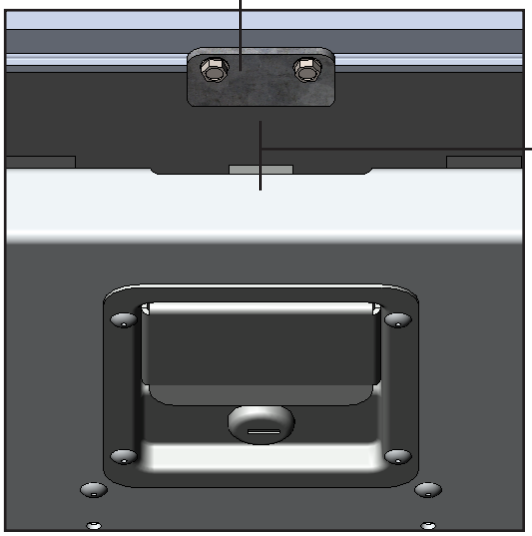
2.2 STRIKER PLATE INSTALL

2.2.1 Screw the striker plate to the shelf tray extrusion.

NOTE: Work bench and locker has a different striker plate.



70 - 961



Center of the latch

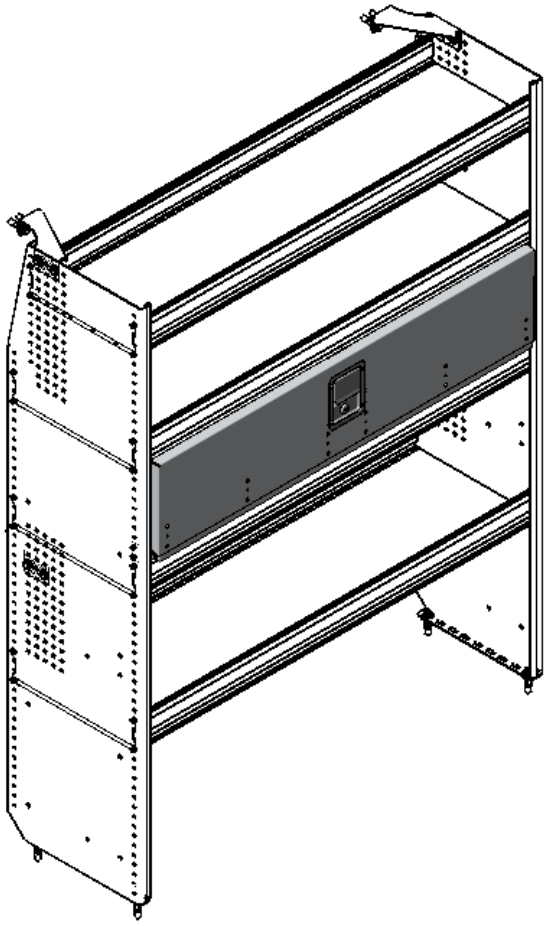
TOOLS

- ❑ Cordless Impact
- ❑ 3/8" Driver Bit

HARDWARE USED

2×

#92-200 Screw #10 - 16 × 3/4"



“You have successfully installed your 77-U1048

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