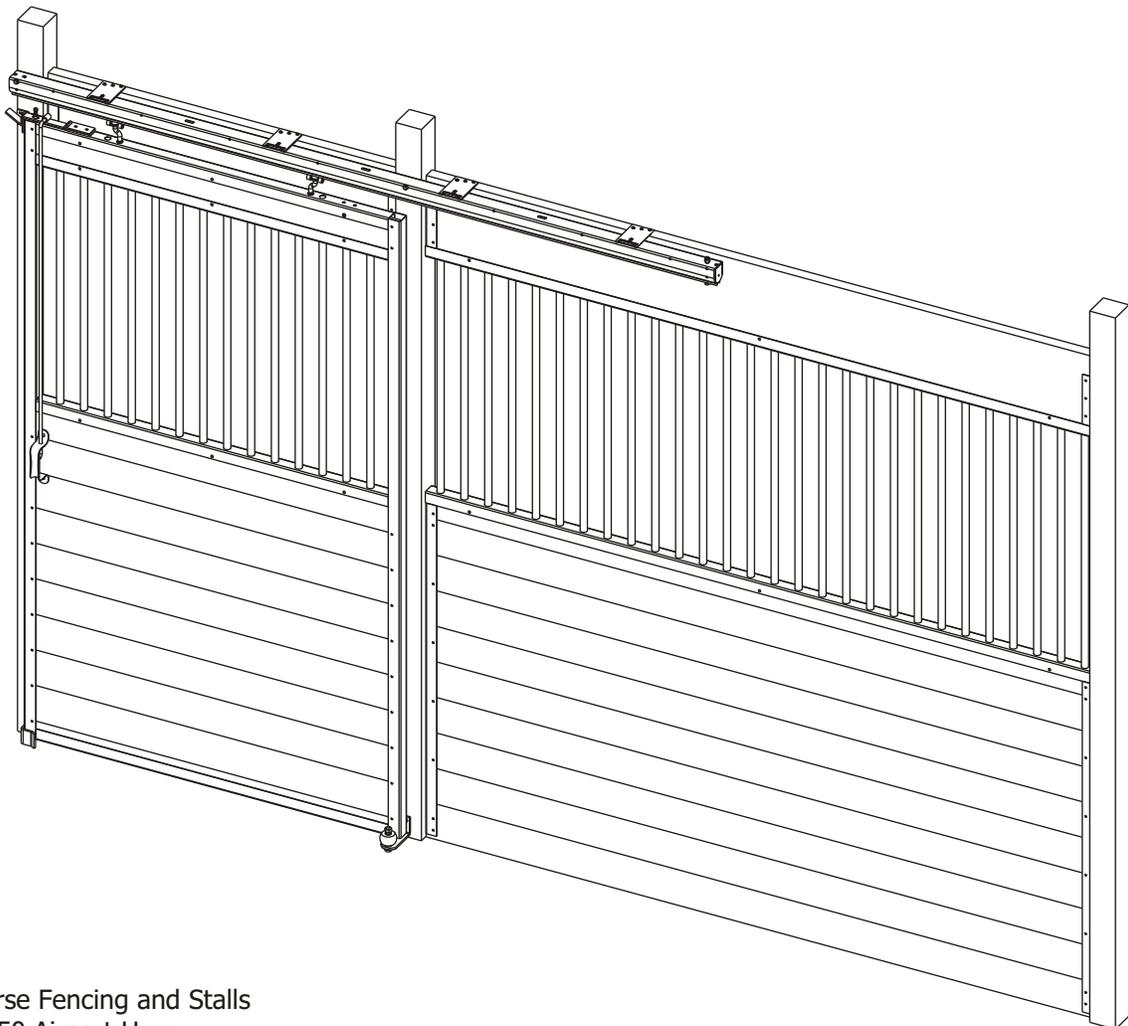




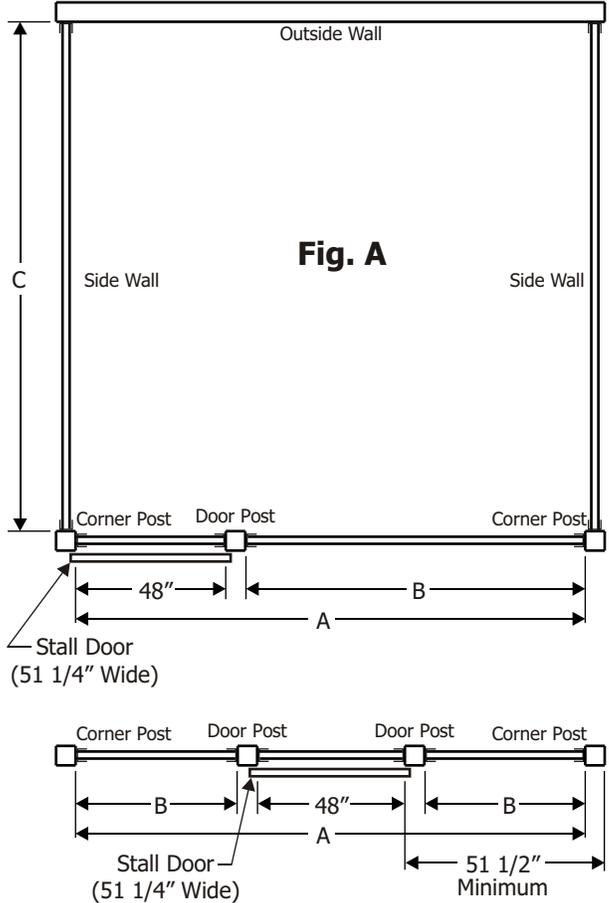
Oxford Stalls

Installation Instructions



Before You Start

- Typical stall sizes are 10' x 10', 12' x 12' or 10' x 12', but virtually any size can be built using the stall system.
- Make sure to plan for additions to your stable ahead of time.
- All measurements are based on finished wood sizes. (Example: 2" x 6" = 1 1/2" x 5 1/2")
- Tongue & groove boards are recommended for filler wood. Account for loss of height due to tongue & groove.
- Pressure treated wood is recommended for posts and bottom two boards of the stall fronts and partitions.
- Posts may be 4x4, 4x6 or 6x6. If top of posts are not going to be anchored then a sufficient amount of post should be placed deep enough in the footing to provide adequate holding power (3' depth recommended).
- Corner posts can be set 10' or 12' (or any other spacing as desired) to fit building design or special needs.
- The inside distance between the door posts (See Fig. A) must be 48".
- Install the corner posts first followed by the door posts. Make sure all posts are plumb, true and level.
- The grill length (See dimension B in Fig. A) of a standard 10' stall front is 65" and 91" for a 12' stall front. However, grill sections can be combined or cut down to create any size of stall front you desire.
- For stall fronts with a center door, equally space the two center door posts from both corner posts. Be sure to maintain the 48" opening between the door posts. It is recommended to have a minimum of 51 1/2" from door post to corner post to allow the door to completely clear the door opening when in the open position. For stall fronts less than 12', one side of the front will be longer than the other to allow the door to completely clear the door opening in the open position.
- Wall sections that span over 12' long will require a 4x4 center support post.
- Drilling pilot holes is recommended to prevent splitting of wood.



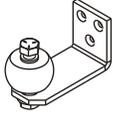
Center Door Stall Front Formula

"A" - 48" - (2) post widths ÷ 2 = "B"

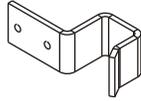
(Example: 144 - 48 - 3 1/2 - 3 1/2 ÷ 2 = 44 1/2)

| Wood Specifications for RAMM Welded Stalls | | | |
|---|--|--------------------|--------------------|
| SECTION | 10 FT. STALL | 12 FT. STALL | 14 FT. STALL |
| Front Walls | (10) 2" x 6" x 10' | (10) 2" x 6" x 12' | (10) 2" x 6" x 14' |
| Header Board | (1) 2" x 10" x 10' | (1) 2" x 10" x 12' | (1) 2" x 10" x 14' |
| Grill Partitions | (10) 2" x 6" x 10' | (10) 2" x 6" x 12' | (10) 2" x 6" x 14' |
| Header Board | (1) 2" x 10" x 10' | (1) 2" x 10" x 12' | (1) 2" x 10" x 14' |
| Solid Partitions | (18) 2" x 6" x 10' | (18) 2" x 6" x 12' | (18) 2" x 6" x 14' |
| Posts* | 4x4 (3) Needed per stall system except when stalls are added next to each other. 4x6 (4) Needed per center door stall system except when stalls are added next to each other. 6x6 * See Fig. A above | | |

Part Identification - Round Track Hardware Kit



Stay Roller (1)



Post Bumper (1)



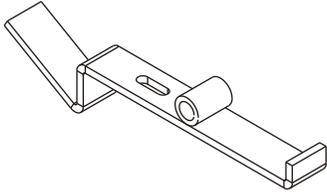
Round Track Bracket (4)
(Not Painted)



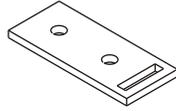
Round Track End Caps (2)



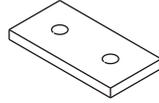
Round Track Washer (2)



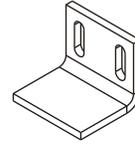
Latch Arm (1)



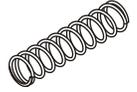
Latch Plate (1)



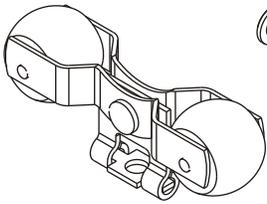
Latch Spacer (1)



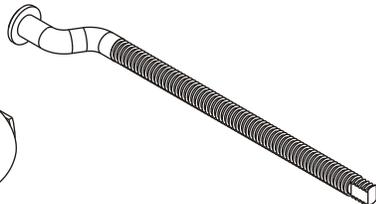
Latch Catch (1)



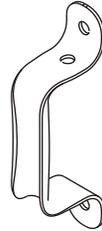
Latch Spring (1)



Trolley Wheels (2)



Trolley Bolt (2)



Door Latch Handle (1)



Nylon Washer (1)



Latch Catch Washer (2)



Lifting Rod Push Cap (1)



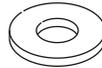
Trolley Bolt Nut (2)



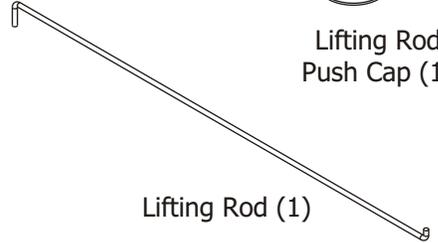
Trolley Bolt Flanged Nut (2)



Track Stop Lock Nut (1)

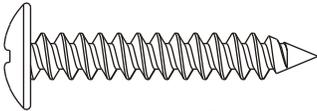


Track Stop Washer (1)

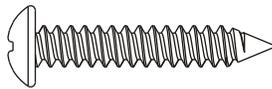


Lifting Rod (1)

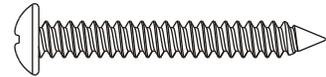
(Screws shown actual size)



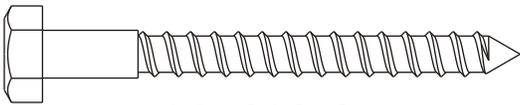
1/4" x 1 1/2" (3)
Stay Roller



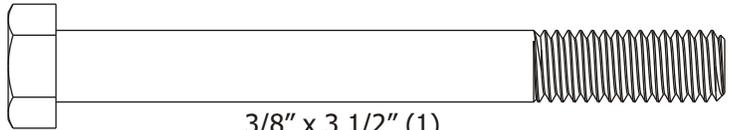
SS1
Stall Wood



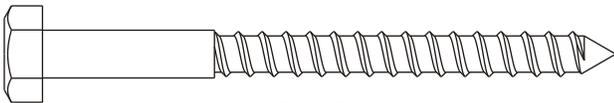
#10 x 1 1/2" (12)
Round Track Bracket



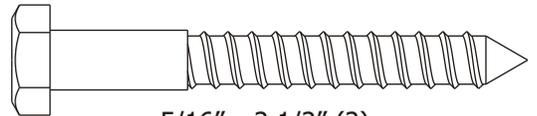
1/4" x 2 1/2" (2)
Latch Catch



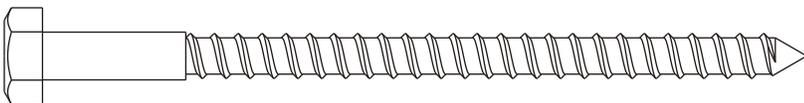
3/8" x 3 1/2" (1)
Track Stop Bolt



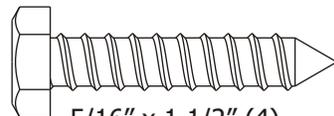
1/4" x 3" (1)
Latch Spring



5/16" x 2 1/2" (2)
Latch Plate/Latch Spacer



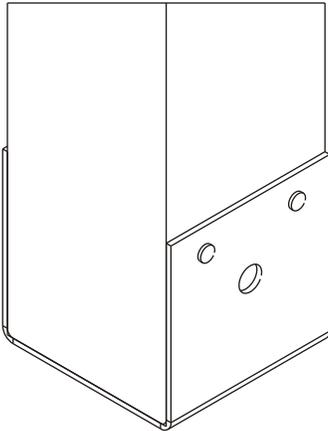
1/4" x 4" (2)
Round Track



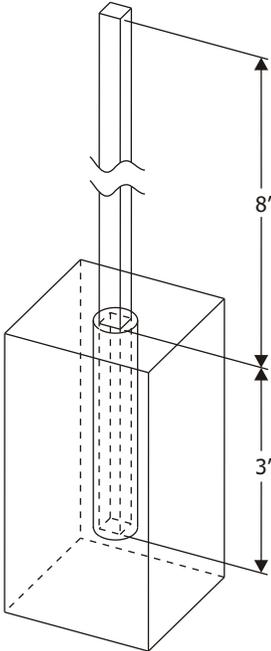
5/16" x 1 1/2" (4)
Post Bumper/Door Handle

Post Installation

Posts can be installed in several ways. The most common is to auger into the ground or using post anchoring plates to a concrete base.



Post Anchor Plate



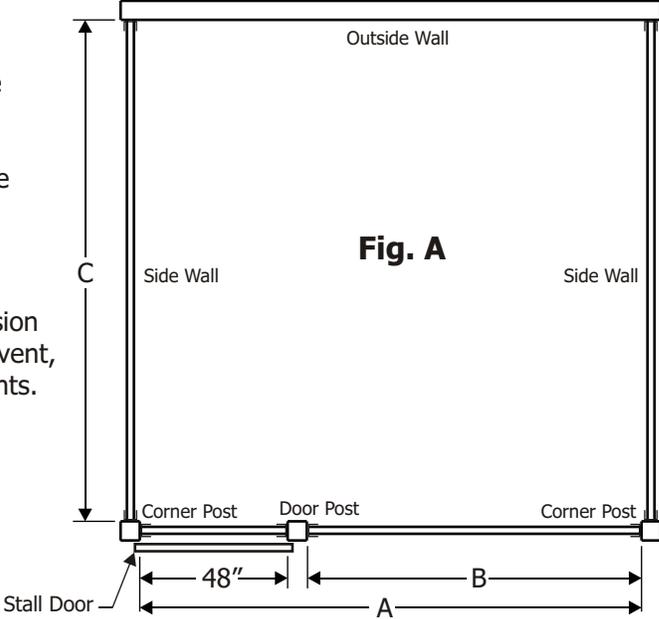
Augered in Ground

 When you auger posts, all posts should be installed with the top at least 8' above the ground. If the posts are not properly secured at the top and bottom, they must be buried to a depth of at least 3' to provide adequate stability.

1. Refer to Fig. A to determine post locations for your stall size.
2. Install corner posts first. Be careful to stay within the dimensions A and C per the chart.
3. Install door post 48" from corner post with a tolerance of +/- 1/4".

NOTE: Check all posts for level, square and plumb.

4. Dimension B should be treated as the variable dimension if a problem with post location should arise. In this event, it may be necessary to cut some of the grill components.



| Stall Dimensions using 4x4 (3-1/2" x 3-1/2") Posts | | |
|--|-----------------|-----------------|
| Dimension | 10' Stall Front | 12' Stall Front |
| A | 116 1/2" | 142 1/2" |
| B | 65" | 91" |
| C | 120" | 144" |

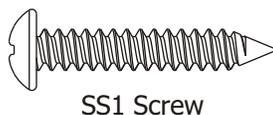
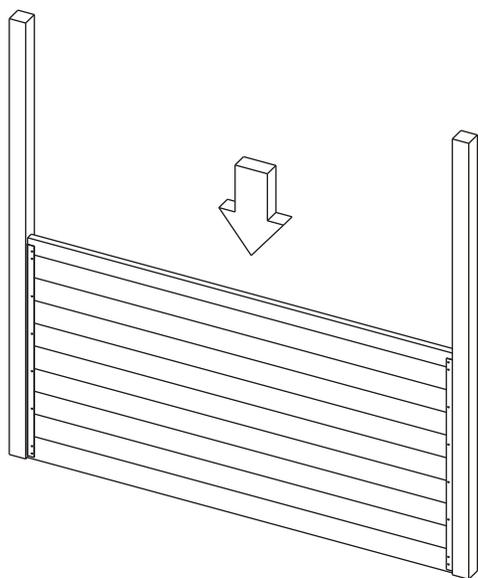
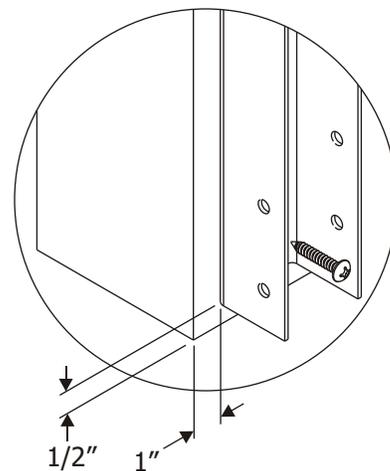
 **CHECK FOR SQUARE:** Measure from one corner diagonally to the opposite corner (top left to bottom right) and repeat for the other corner. Measurements should be the same. If they are not, tap the corner of the longest measurement until you have two equal measurements. This will ensure your work is square.

Stall Front Assembly

Place 46 1/2" U-channels 1" from front face of posts and 1/2" above floor on corner and door posts.

Check that channels are level and plumb.

Fasten with provided SS1 screws through holes in channel.



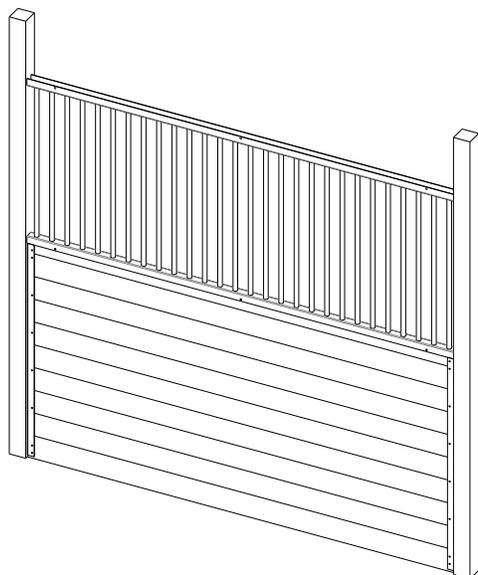
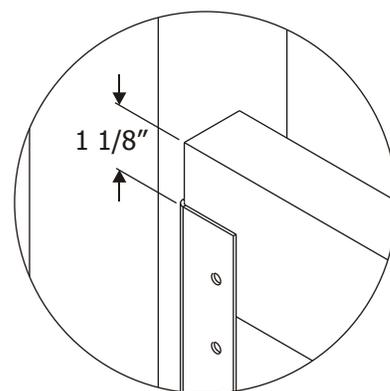
SS1 Screw

Cut lumber 1/4" to 3/8" less than the distance measured between the inside faces of the U-channel.

Slide first board down to the bottom of the U-channel ensuring that it is level. Pressure treated lumber can be used for the bottom of the stall wall. When using pressure treated lumber, proper coated screws must be used.

Secure bottom board with provided SS1 screws before installing the remaining boards.

Install remaining boards ensuring the last board is 1 1/8" above the U-channels. It may be necessary to rip a board to achieve the correct height.



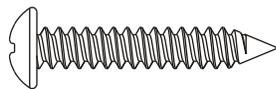
Fit the grillwork section over the last board so it rests on top of the U-channel ends.

Stall Front Assembly (cont.)

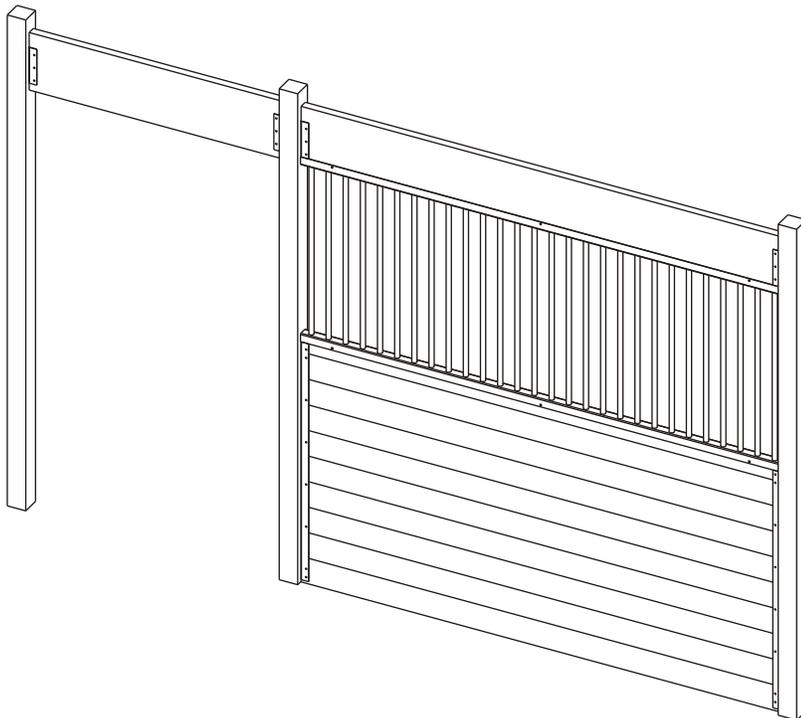
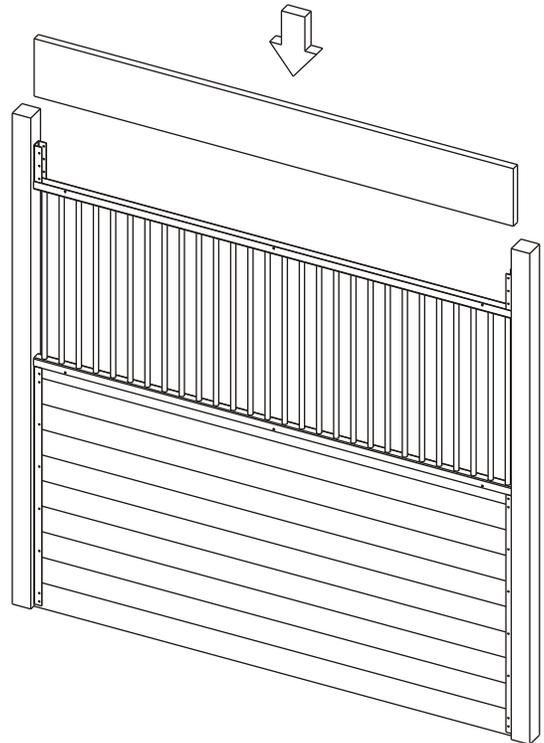
Place 7" U-channels against posts flush with the top of grillwork and fasten to posts with provided SS1 screws.

Slide 2x12 board into 7" U-channels and push down into top channel of grillwork.

Install SS1 screws through holes in U-channels securing all boards.



SS1 Screw



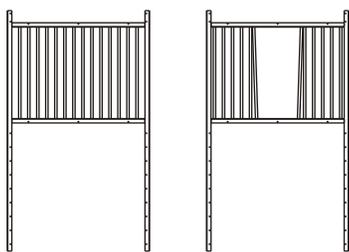
Install two 7" U-channels in the door opening aligning them with the 7" U-channels in the front.
(Measure from top of post to top of 7" U-channel.)

Fasten to posts with SS1 screws.

Insert 2x12 header board, align with top of 2x12 in front and fasten to the U-channels with SS1 screws.

Stall Door Assembly

The door comes almost completely assembled except for the wood.



Grill Top

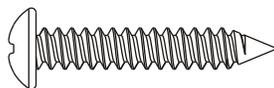
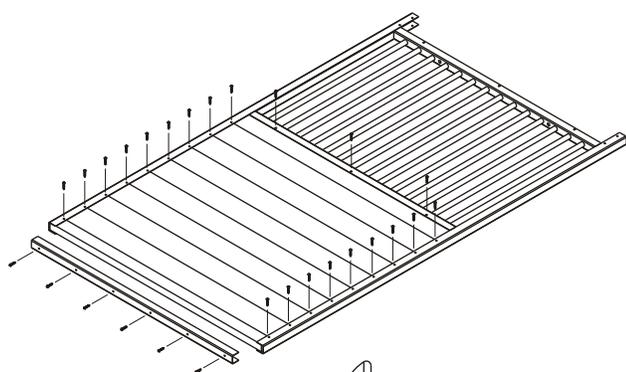
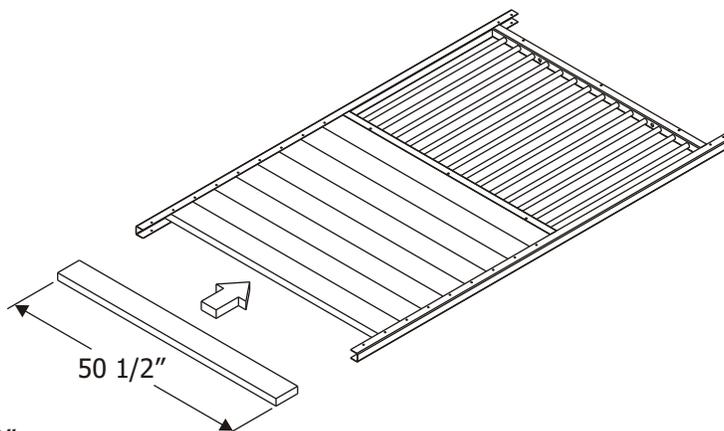
V-Door

Cut lumber to 50 1/2". The number of pieces will vary depending on the material used.

Slide first piece inside the channels up from the bottom until it seats inside the bottom of the grill section.

NOTE: Make sure the first piece has a flat square top. DO NOT insert screws at this time.

Insert the remaining lumber and fill to the bottom of the door. The bottom piece may need to be trimmed to fit. The bottom piece should be inset from the bottom edge of channel approximately 1/8".



SS1 Screw

Insert bottom channel over last piece of lumber so it is flush with bottom of U-channels. Use a rubber mallet and block of wood if necessary so not to damage channel.

Fasten with provided SS1 screws up through holes in bottom of channel.

Secure boards through holes running along the sides of the U-channel and bottom of the grill section with SS1 screws.



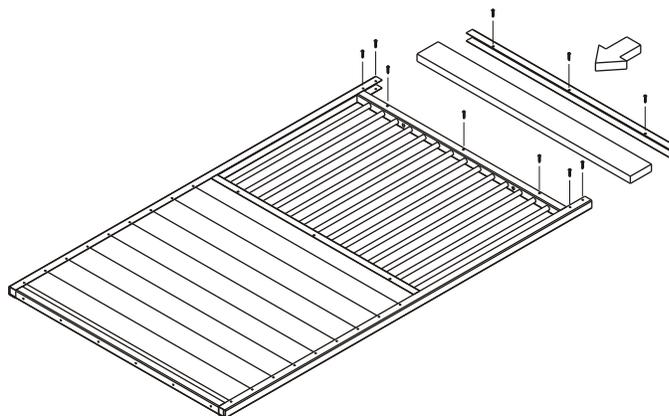
Only put screws on front or outside of stall door.

Insert a 5 1/2" x 50 1/2" (2 x 6) piece of lumber into the top channels.

Tap into place until top edge of board is approximately 1/8" inset from edge of channel.

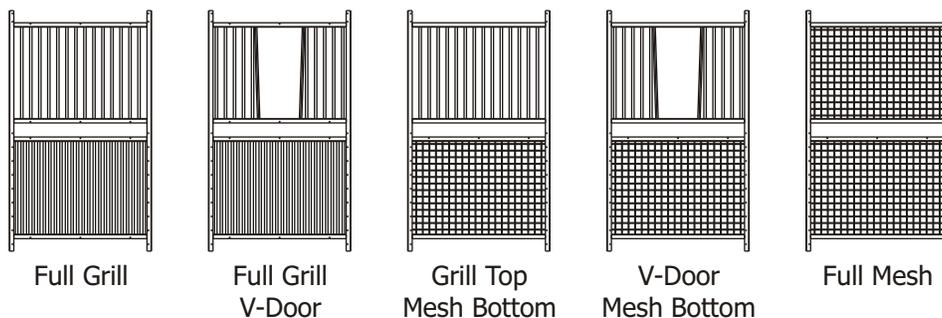
Slide top channel over top piece of lumber so it is flush with top edge of U-channels then fasten with SS1 screws.

Secure board to U-channels and top of grill section with SS1 screws.



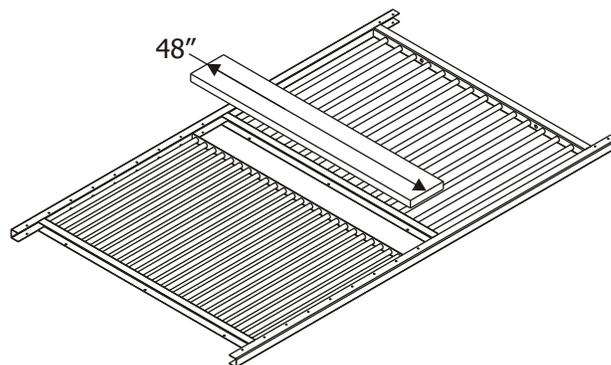
Stall Door Assembly

The door comes almost completely assembled except for the wood.

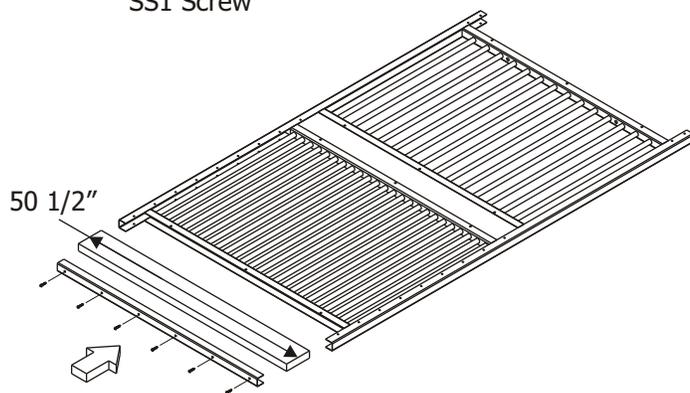
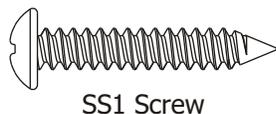


Insert a 7 1/2" x 48" (2 x 8) piece of lumber into the bottom of the top grill section then down onto the grill angle of the bottom section.

Fasten from the front side through the holes in the grill channel and grill angle with provided SS1 screws.



 Only put screws on front or outside of stall door.



Insert a 5 1/2" x 50 1/2" (2 x 6) piece of lumber into the bottom channels.

Insert bottom channel over lumber so it is flush with bottom of U-channels. Use a rubber mallet and block of wood if necessary so not to damage channel.

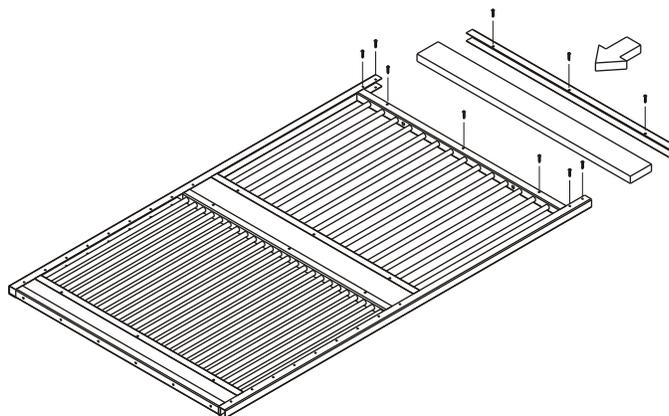
Fasten with provided SS1 screws up through holes in bottom of channel.

Insert a 5 1/2" x 50 1/2" (2 x 6) piece of lumber into the top channels.

Tap into place until top edge of board is approximately 1/8" inset from edge of channel.

Slide top channel over top piece of lumber so it is flush with top edge of U-channels then fasten with SS1 screws.

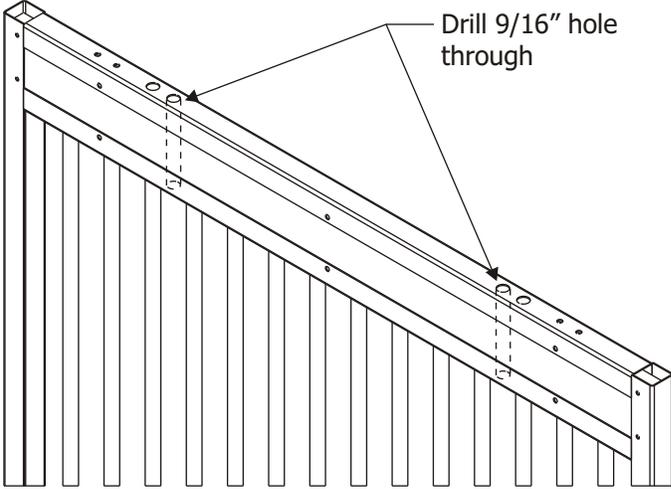
Secure board to U-channels and top of grill section with SS1 screws.



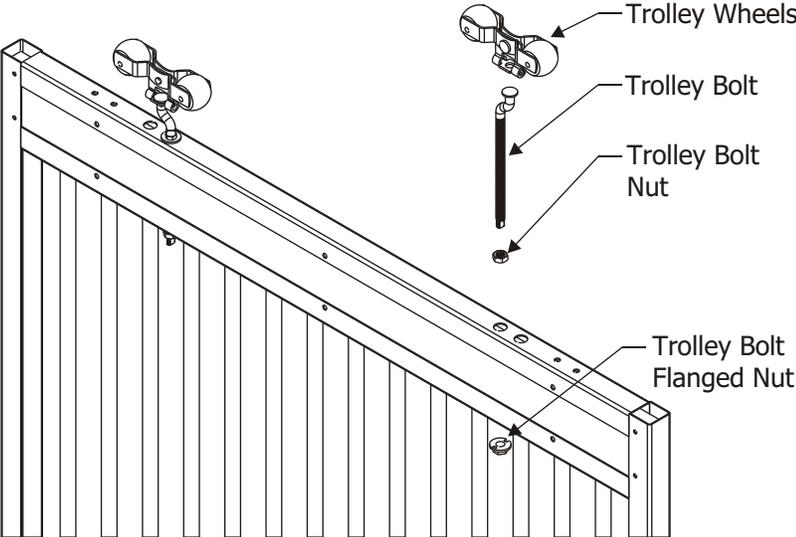
Door Trolley Assembly

Using a 9/16" drill bit, drill through pre-punched hole in door top channel completely through the lumber to hole in top of grill section.

 If your top channel has two sets of holes, be sure to drill through the correct holes corresponding to the holes on the underside in the grill section.



Round Track



Insert trolley bolt through hole in trolley wheel assembly.

Thread trolley bolt nut onto trolley bolt.

Feed trolley bolt through hole in top of door.

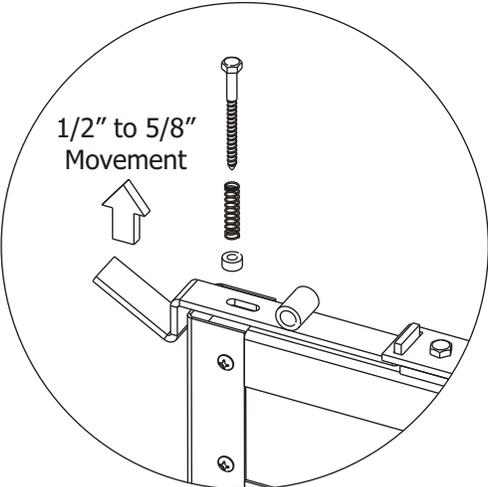
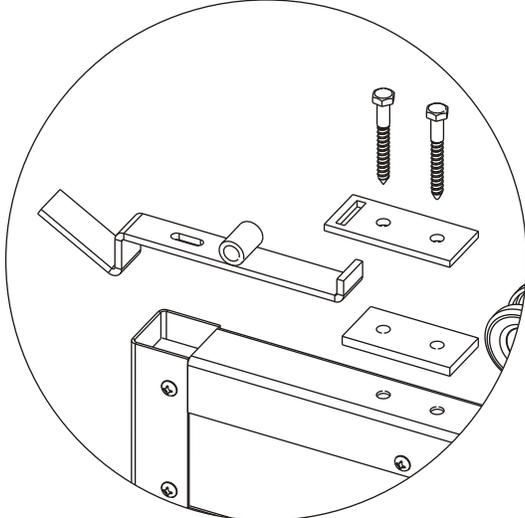
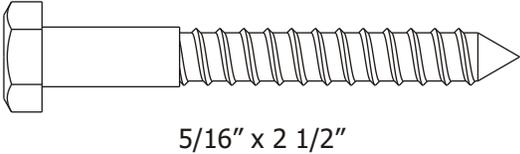
Thread trolley bolt flanged nut on end of trolley bolt and hand tighten.

Final adjustments will be made after door is hung on track.

Trolley bolt can be rotated to adjust the space between the door post and door.

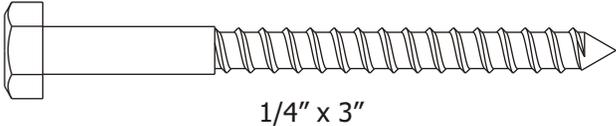
Door Latch/Handle Assembly

Position latch spacer, latch arm and latch plate on top of door with leg of latch arm fitting into slot of latch plate. Align with holes on top of door and fasten with provided 5/16" x 2 1/2" lags.



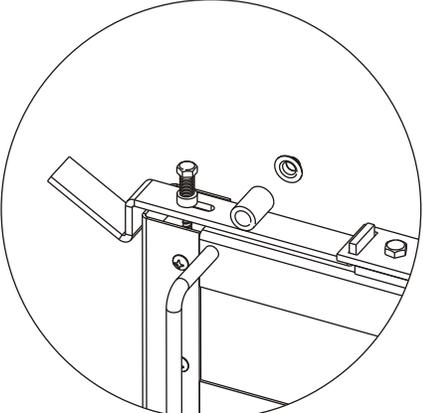
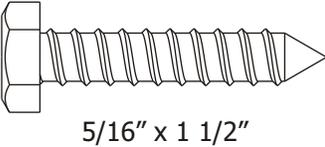
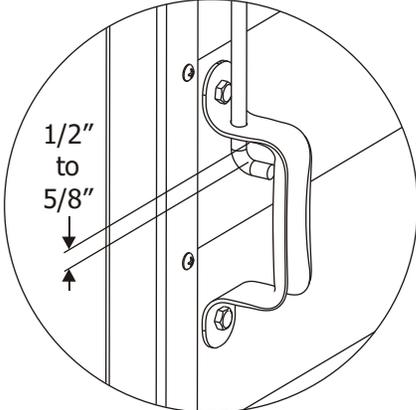
Slide latch spring over 1/4" x 3" lag then nylon washer.

Fasten screw through slot in latch arm allowing latch arm 1/2" to 5/8" vertical movement.



Feed lifting rod through hole in door handle. Position door handle so there is approximately a 1/2" to 5/8" gap between the top of the lifting rod leg to the top of the inside of the door handle.

Check that lifting rod is plumb and level then fasten handle with 5/16" x 1 1/2" lags.

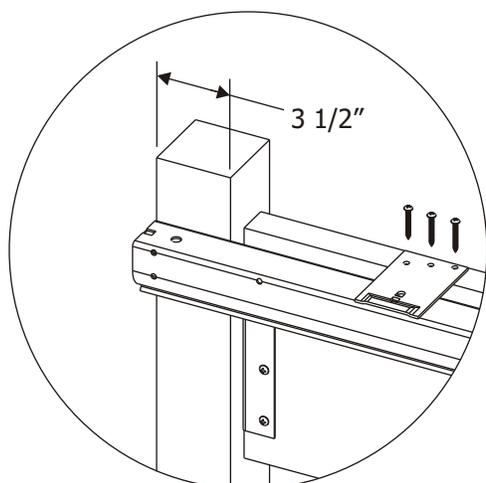
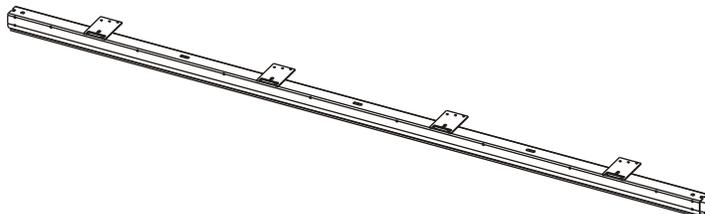
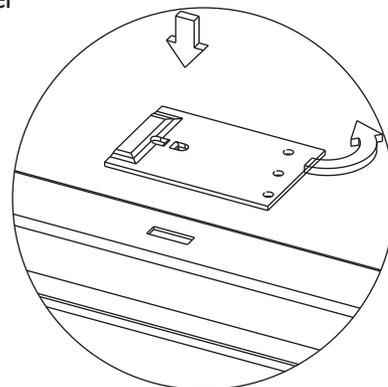


Fit long leg of lifting rod into boss of latch arm then attach lifting rod push cap onto end.

Track Installation - Round Track

Insert tabs on track bracket into slot on top of round track. Alternate every-other slot. See diagram. Note: Brackets will not be painted even with a black track.

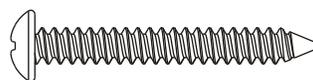
Rotate track bracket 90° to engage tabs into round track. A rubber mallet may be necessary to turn track bracket.



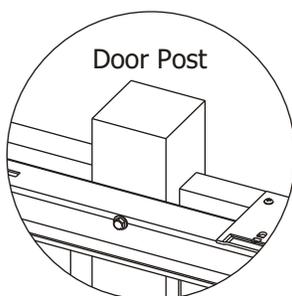
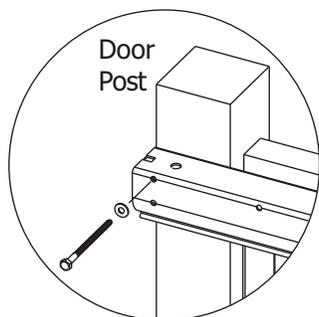
Place track with attached brackets on top of nominal 2x12 and against face of posts. Edge of track should be approximately 3 1/2" from door opening edge of post (flush with outside edge of 4x4).

Before track is set, make sure holes in track align with door posts for the 1/4" x 4" lags.

Using #10 x 1 1/2" pan head screws provided, fasten track brackets to top edge of 2x12 through holes in track brackets.



#10 x 1 1/2"



Fasten (2) 1/4" x 4" lags with washers through hole along top edge of track at door posts locations.

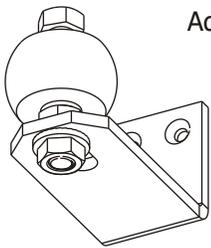


1/4" x 4"



5/8" O.D. X 1/4" I.D.
Washer

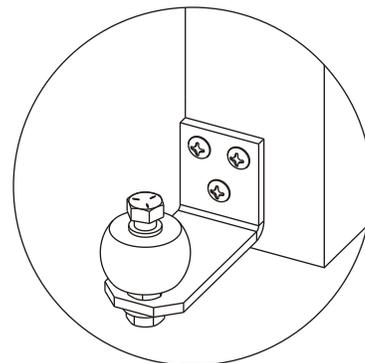
Stay Roller Installation



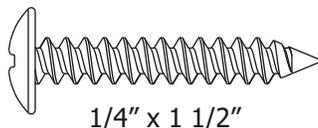
Adjust bolt on door stay so it is not protruding past flange nut.

Rest door stay on floor and align with edge of center door post.

Fasten with provided 1/4" x 1 1/2" round head screws.



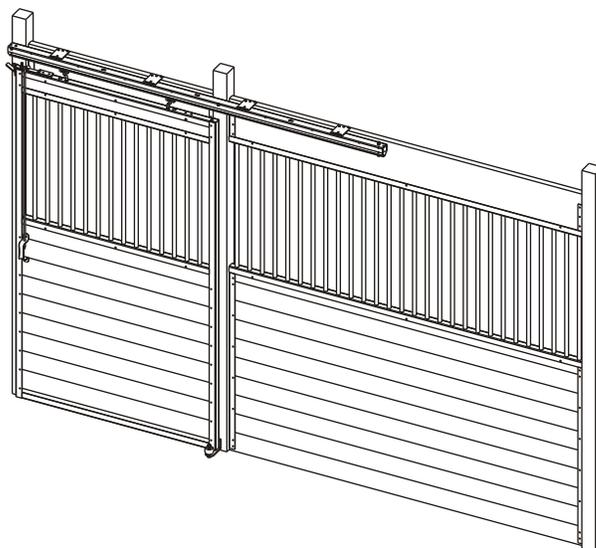
After door installation, adjust the roller as necessary to allow for smooth operation.



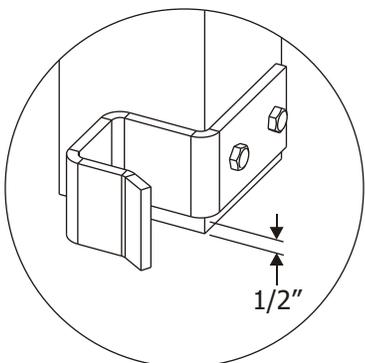
Hang Door

Slide trolleys/door onto track.

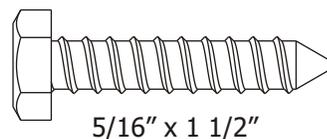
Adjust height of door as necessary by adjusting the nuts on the trolley bolts.



Post Bumper Installation



Attach post bumper to bottom of corner post approximately 1/2" above floor with provided 5/16" x 1 1/2" lags.

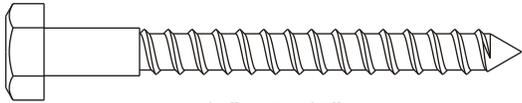
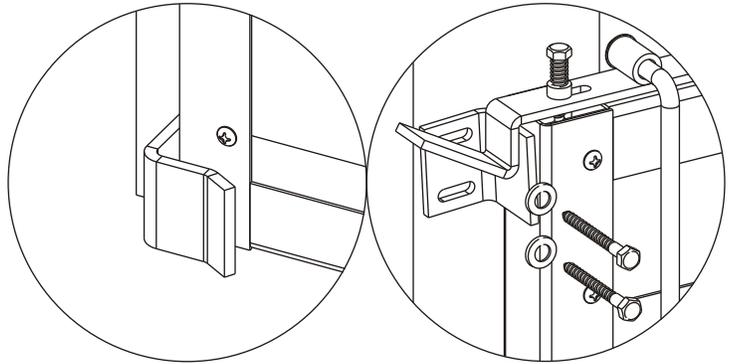


Latch Catch Installation

Close door against post bumper.

Place latch catch against post and door then angle slightly.

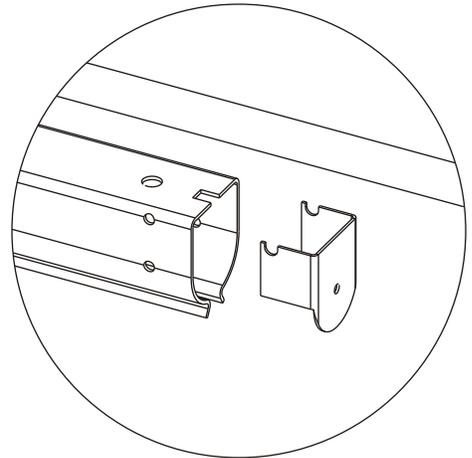
Fasten latch catch to post with provided latch catch washers and 1/4" x 2 1/2" lags.



1/4" x 2 1/2"

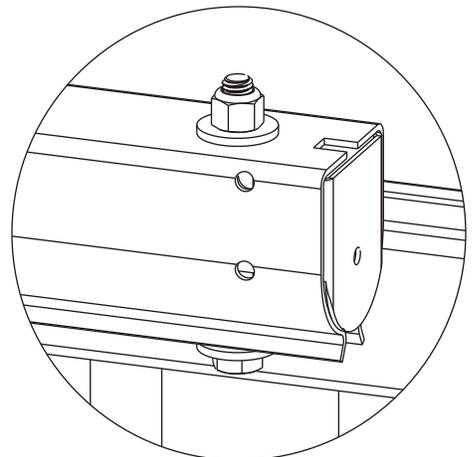
Track End Cap Installation

Snap in track end caps on both ends of track.



Track Stop Installation

On end opposite of latch, slide washer onto 3/8" x 3 1/2" bolt then feed bolt up through bottom opening in track and through hole in top of track. Fasten with washer and lock nut.

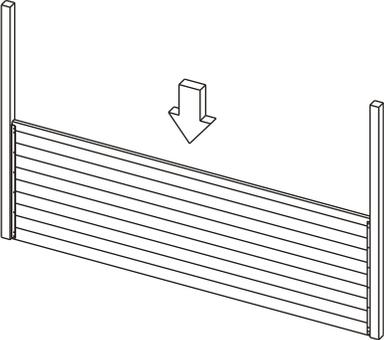
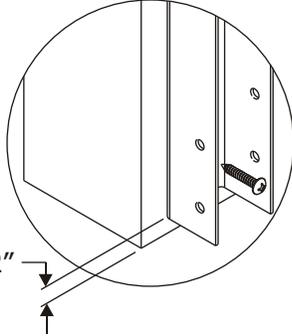


Partition Assembly - Grilled

Place 46 1/2" U-channels 1/2" above floor and centered on posts or on outside wall.

Check that channels are level and plumb.

Fasten with provided SS1 screws through holes in channel.

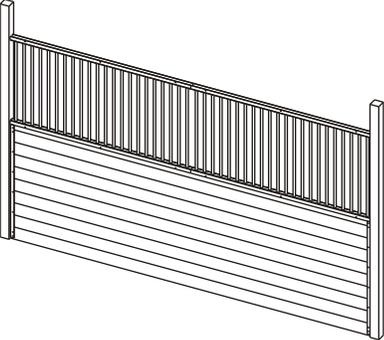
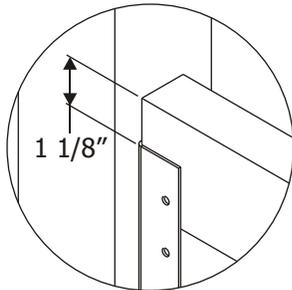


Cut lumber 1/4" to 3/8" less than the distance measured between the inside faces of the U-channel.

Slide first board down to the bottom of the U-channel ensuring that it is level. Pressure treated lumber can be used for the bottom of the stall wall. When pressure treated lumber is used, proper coated screws must be used.

Secure bottom board with provided SS1 screws before installing the remaining boards.

Install remaining boards ensuring the last board is 1 1/8" above the U-channels. It may be necessary to rip a board to achieve the correct height.

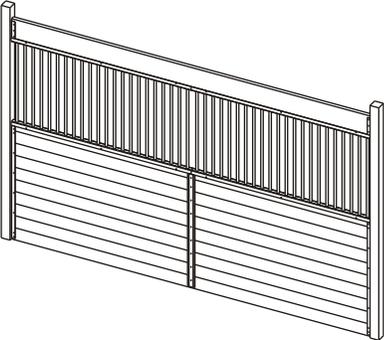
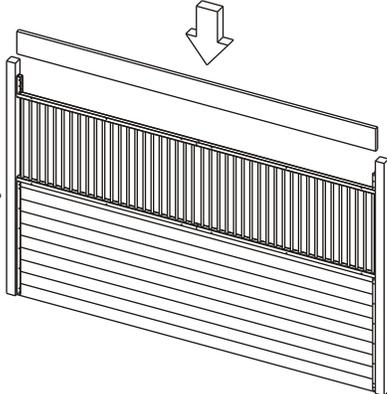


Fit the grillwork section over the last board so it rests on top of the U-channel ends.

Place 7" U-channels against posts flush with the top of grillwork and fasten to posts with provided SS1 screws.

Slide 2x10 board into 7" U-channels and push down into top channel of grillwork.

Install SS1 screws through holes in U-channels securing all boards.



Center a 46 1/2" wall brace on the wall and fasten with SS1 screws.

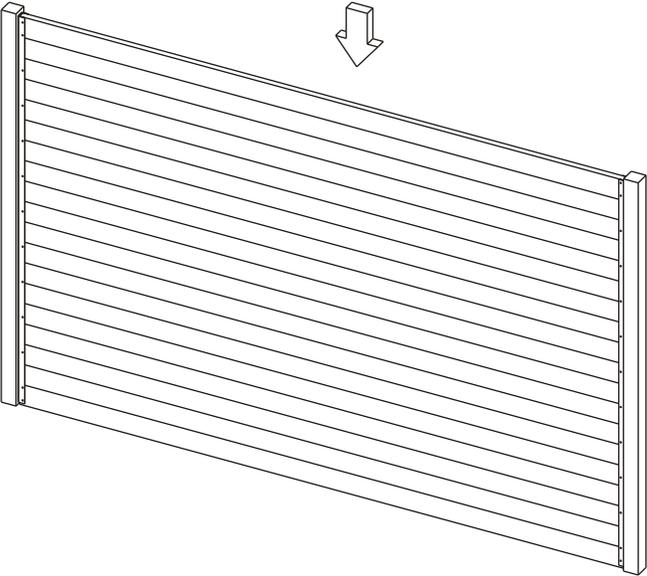
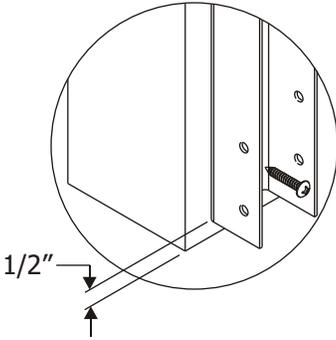
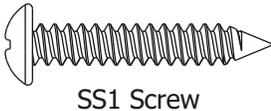
Place another wall brace on the opposite side of the wall offsetting it slightly from the previously installed wall brace so the screws will not interfere with each other when attaching.

Partition Assembly - Solid

Place 94 1/2" U-channels 1/2" above floor and centered on posts or on outside wall.

Check that channels are level and plumb.

Fasten with provided SS1 screws through holes in channel.



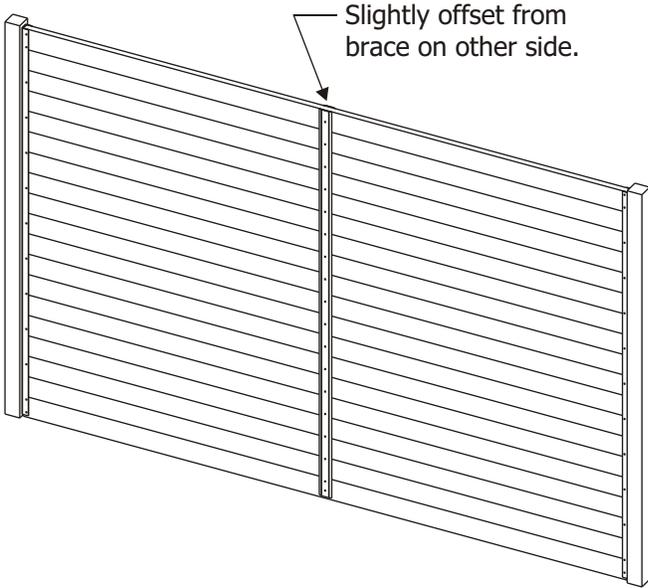
Cut lumber 1/4" to 3/8" less than the distance measured between the inside faces of the U-channel.

Slide first board down to the bottom of the U-channel ensuring that it is level. Pressure treated lumber can be used for the bottom of the stall wall. When using pressure treated lumber, proper coated screws must be used.

Secure boards with SS1 screws.

Center a 94 1/2" wall brace on the wall and fasten with SS1 screws.

Place another wall brace on the opposite side of the wall offsetting it slightly from the previously installed wall brace so the screws will not interfere with each other when attaching.



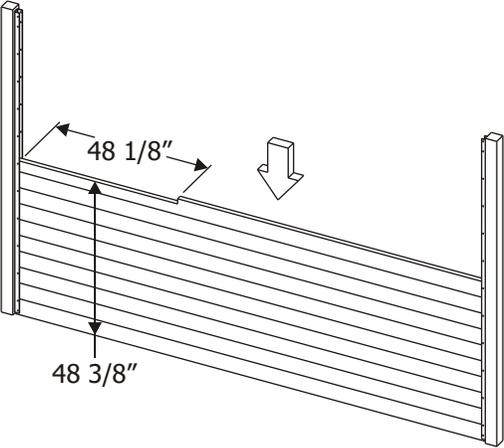
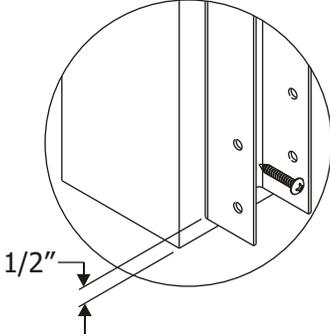
Partition Assembly - Privacy

NOTE: These instructions are for a 48" grill. When using larger grills, cutting of the wall brace and other modifications may be necessary.

Place 94 1/2" U-channels 1/2" above floor and centered on posts or on outside wall.

Check that channels are level and plumb.

Fasten with provided SS1 screws through holes in channel.



Cut lumber 1/4" to 3/8" less than the distance measured between the inside faces of the U-channel.

Slide first board down to the bottom of the U-channel ensuring that it is level. Pressure treated lumber can be used for the bottom of the stall wall. When pressure treated lumber is used, proper coated screws must be used.

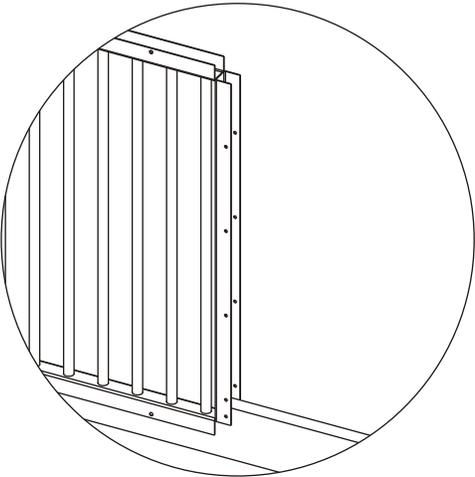
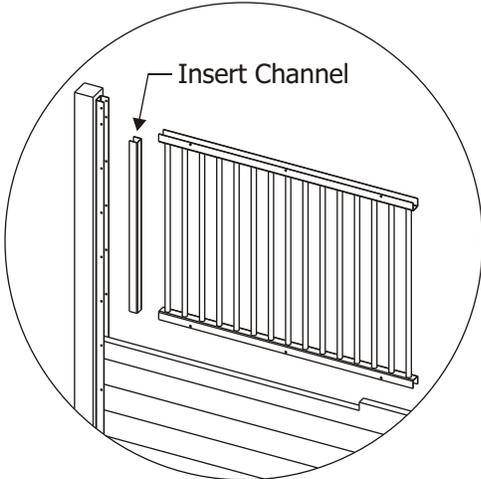
Secure bottom board with provided SS1 screws before installing the remaining boards.

Slide in approximately 9 to 10 boards depending on the board width you are using.

Cut top board, as necessary, so top of board is approximately 48 3/8" from floor and 48 1/8" from edge of 94 1/2" U-channel.

Fit Insert channel into 94 1/2" U-channel so face is flush with edge of 94 1/2" U-channel and bottom edge is resting on top of board.

Place grillwork over top of board and against 94 1/2" U-channel.



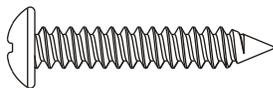
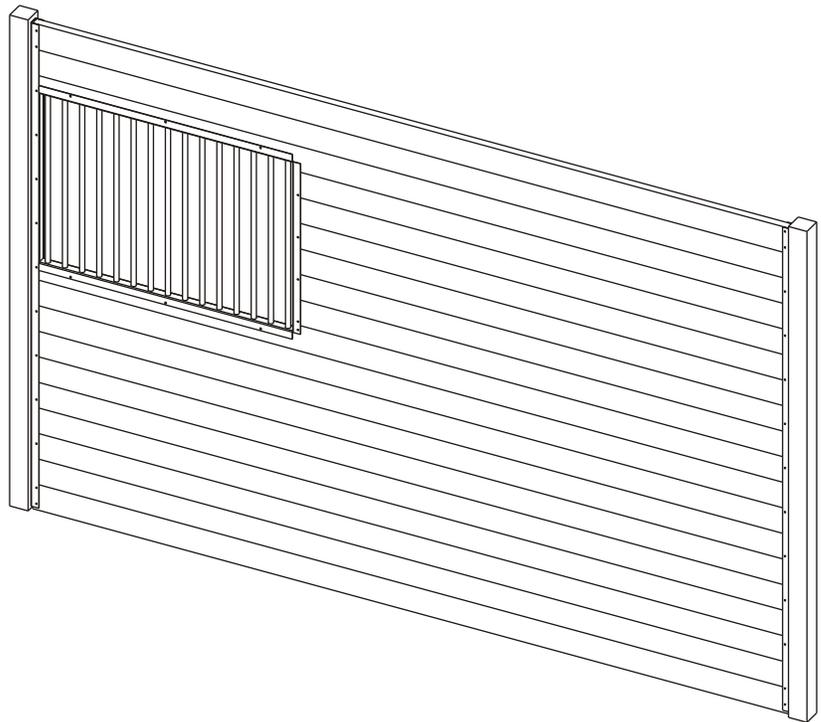
Cut and fit a 46 1/2" U-channel against grillwork.

If you prefer to have the U-channel flush with outside edges of the grillwork, cut U-channel to length then notch out ends so boards can pass through.

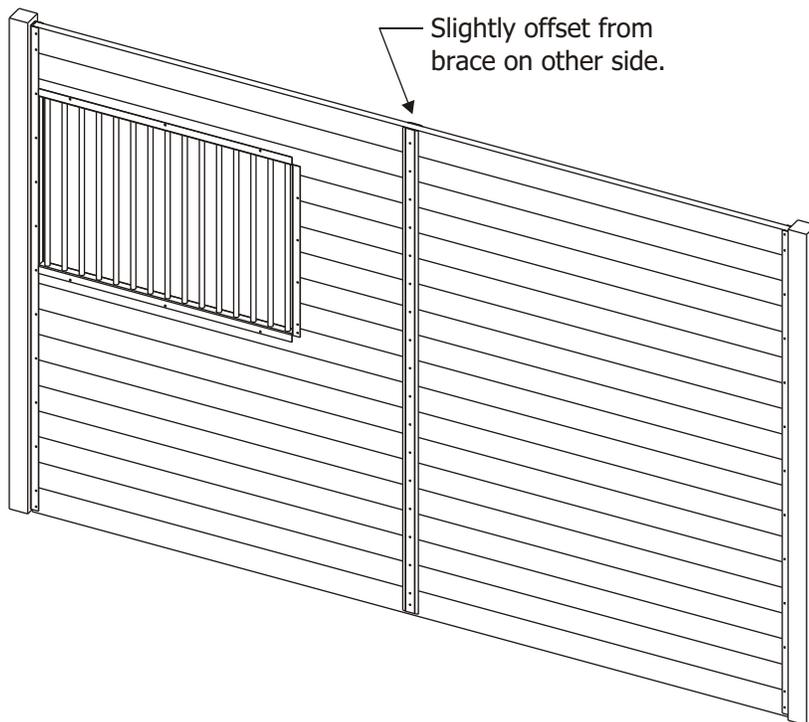
Partition Assembly - Privacy (cont.)

Install remaining boards, cutting and ripping as necessary.

Install SS1 screws through all the holes securing boards, grillwork and the U-channel.



SS1 Screw



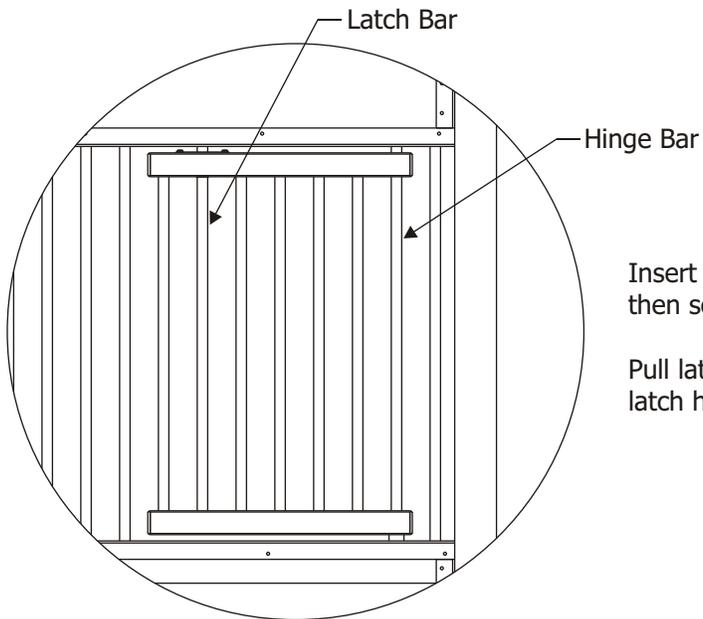
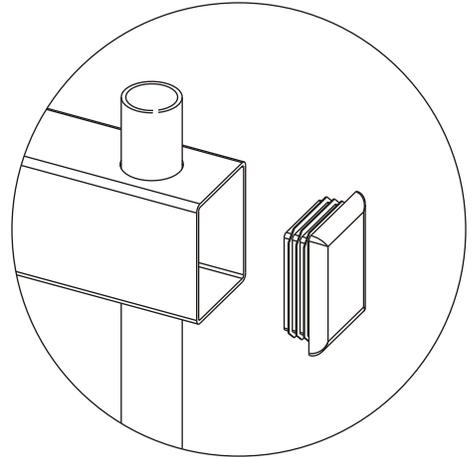
Center a 94 1/2" wall brace on the wall and fasten with SS1 screws.

Place another wall brace on the opposite side of the wall offsetting it slightly from the previously installed wall brace so the screws will not interfere with each other when attaching.

NOTE: If using a longer grillwork, cut the 94 1/2" wall brace to fit above and below the grillwork.

Feed Door Option

Insert supplied caps into ends of feed door tubes.



Insert top of hinge bar completely up into hole in top channel then set bottom of hinge bar down into hole in bottom channel.

Pull latch bar down and swing into place and latch into latch hole.