

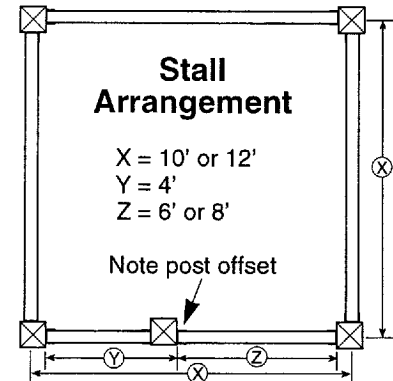
Assembly Instructions and Lumber Requirements

Post Installation

After making your lumber list, the next step is to layout the stall. Install all corner posts with 8' of length above ground and lateral dimensions at 10' or 12' on centers, depending on the width of the walls you've selected. Be sure they're all plumb, level and true.

Next, install the center door post wall with a 4' dimension (on centers) from the corner post on the side that you want the door (see Stall Arrangement drawing). Take note of the 1/2" offset of the center post, which is necessary so that the sliding door can open past the post. The front wall and center post must all be flush.

With all posts in place, you are now ready to install the walls you've selected. Unpack each carton as you're ready for installation and account for all parts on the packing list. Review the assembly drawings to familiarize yourself with parts placement and read all instructions carefully.



Front Wall System Assembly

Step 1. Install end channels (part 1) on the corner posts and center post. End channels should be centered on the inside surface of the corner posts and flush with the front surface of the center post, as shown in the Assembly Drawing. All channels should be placed 1 1/2" above the floor surface and anchored to the posts with 3" screws supplied.

For solid wood walls, fasten two (2) end channels to each post, one directly above the other.

For grillwork walls, fasten only one (1) end channel at the bottom of each post.

Step 2. You are now ready to install the wall lumber. Slide the first board down to the bottom of the end channels so that it remains 1 1/2" above the floor. This aids in keeping the lumber dry. After the bottom board is located and leveled, anchor it in place with the 1 1/4" screws supplied. Note: Rubbing soap on the inside surfaces of the end channels will provide lubrication for easier assembly.

For solid wood walls, continue installing all remaining wall boards and secure in place with the 1 1/4" screws supplied. Complete installation by adding two wall supports vertically, one above the other, and center laterally on the inside wall.

Secure with the 1 1/4" screws supplied.

For grillwork walls, continue installing wall boards. Board should protrude 1" above top lower end channels. Note: It may be necessary to rip one of the 2" x 6" boards for proper wall height. Finally, install one wall support (part 3) below the grillwork.

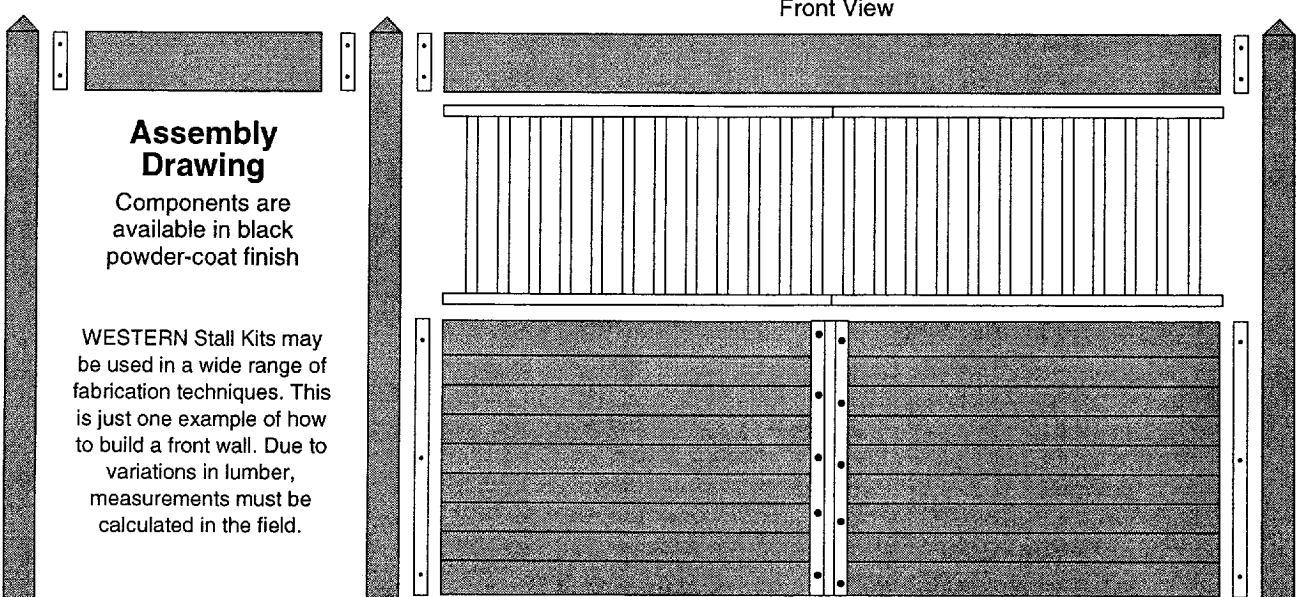
Step 3. Using the 3" screws supplied, install two (2) 6" header channels (part 2), one on the corner post and one on the center post above the top of the front wall board.

Step 4. The grillwork bars are welded in the channels at the factory. To assemble, place the Grillwork Assembly over the wall boards and press down until the bars come into contact with the lumber.

Step 5. Slip the header board (2" x 12") into the header channels installed in step 3, and slide down until it rests firmly on top of the bars installed in step 4.

Step 6. At this point, the remaining 1 1/4" screws should be installed in the header channels and the upper and lower bar.

Step 7. Using the screws furnished, install the wall supports vertically and centered laterally on the inside of the wall. A solid wood wall requires two (2) braces, one directly above the other, while a grillwork wall needs only one brace below the grillwork.



Assembly Drawing

Components are available in black powder-coat finish

WESTERN Stall Kits may be used in a wide range of fabrication techniques. This is just one example of how to build a front wall. Due to variations in lumber, measurements must be calculated in the field.

Lumber Requirements

The first step in building your stall is to decide on the finished dimensions you desire, which determines the lengths of lumber required. The following specifications cover the lumber requirements for each wall model. Lumber listed is for 12' wide walls. Should your needs be different, just change the lumber lengths accordingly. Treated lumber is recommended if using 2' x 6' x 12'. Lumber from front wall can be used for door bottom rather than plywood.

Front wall with grillwork and Door:

- 1 pc. - 3/4" x 48" x 96" plywood (smooth 1-side) for bottom half of sliding door.
- 1 pc. - 2" x 6" x 48" (door header board)
- 9 pcs. - 2" x 6" x 96" (wall boards)
- 1 pc. - 2" x 12" x 144" (track board)
- 2 pcs. - 2" x 2" x 36" (door channel filler)

Solid Front wall with Door:

- 1 pc. - 3/4" x 48" x 96" plywood (smooth 1-side) for bottom half of sliding door.
- 1 pc. - 2" x 6" x 48" (door header board)
- 9 pcs. - 2" x 6" x 96" (wall boards)
- 1 pc. - 2" x 12" x 144" (track board)
- 2 pcs. - 2" x 2" x 36" (door channel filler)
- 11 pcs. - 2" x 6" x 144" (wall boards)

Solid Side Wall:

- 17 pcs. - 2" x 6" x 144" (wall boards)

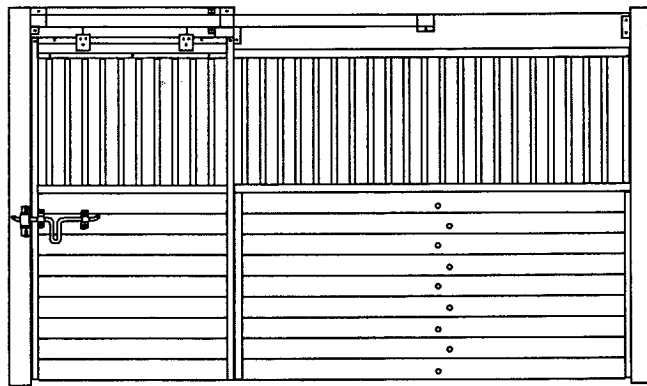
Typical corner posts are standard 4" x 4" lumber. Five (5) posts are required for the first stall and three (3) additional posts for each stall thereafter, when constructed side-by-side. **Note: All 4" x 4" posts should be 8' in length above the ground. Longer posts are required if they are to be anchored in the ground.**

Front Wall System

Door dimensions are 48" wide, 86" high. Overhead clearance must be at least 94 1/2" to accommodate the door, trolley, and track.

System comes complete with the following:

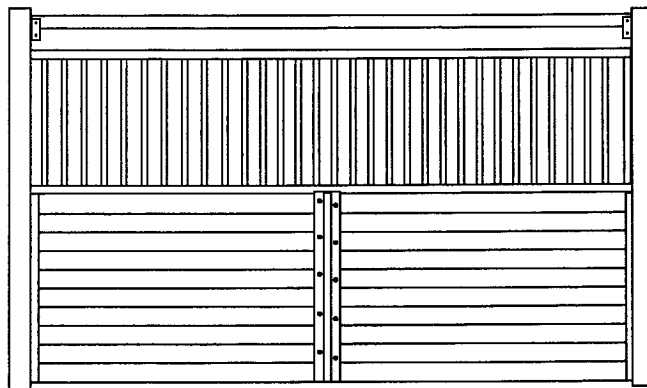
- 2- Grillwork Sections
 - 10' front includes 1-24" & 1-48"
 - 12' front includes 2-48"
- 2- End Channels
- 4- Header Channels
- 1- Wall Brace
- Assembly Screws



Side Wall System

System comes complete with the following:

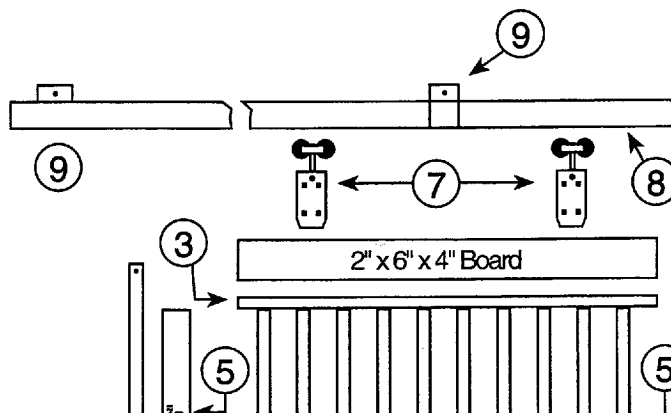
- Grillwork Sections
 - 10' sidewall includes 2-48" & 1-24"
 - 12' sidewall includes 3-48"
- 2- End Channels
- 2- Header Channels
- 1- Wall Brace
- Assembly Screws



Partition or Rear Wall System

System comes complete with the following:

- 4- End Channels
- 2- Wall Braces
- Assembly Screws



Side Wall System Assembly

STEP 1. Install the end channels (part 1) centered on the inside surface of the corner posts, as shown in the Assembly Drawing. All channels should be placed 1½" above the floor surface and anchored to the posts with the 3" screws supplied.

For solid wood walls, fasten two (2) end channels to each post, one directly above the other.

For walls with grills, fasten only one (1) end channel at the bottom of each post.

Step 2. You are now ready to install the wall lumber. Slide the first board down to the bottom of the end channels so that it remains 1½" above the floor. This aids in keeping the lumber dry. After the bottom board is located and leveled, anchor it in place with the 1¼" truss-head screws supplied. Note: Rubbing soap on the inside surfaces of the end channels will provide lubrication for easier assembly.

For solid wood walls, continue installing all remaining wall boards and secure in place with the 1¼" screws supplied. Complete installation by adding two wall supports (part 3) vertically, one above the other, and centered laterally on the inside of the wall. Secure with the 1¼" screws supplied.

For grillwork walls, continue installing wall boards up to 1" above the lower end channel. Note: It may be necessary to rip one of the 2" x 6" in width for proper wall height. Finally, install one wall support (part 3) below the grillwork.

Installing Grillwork in Side Walls

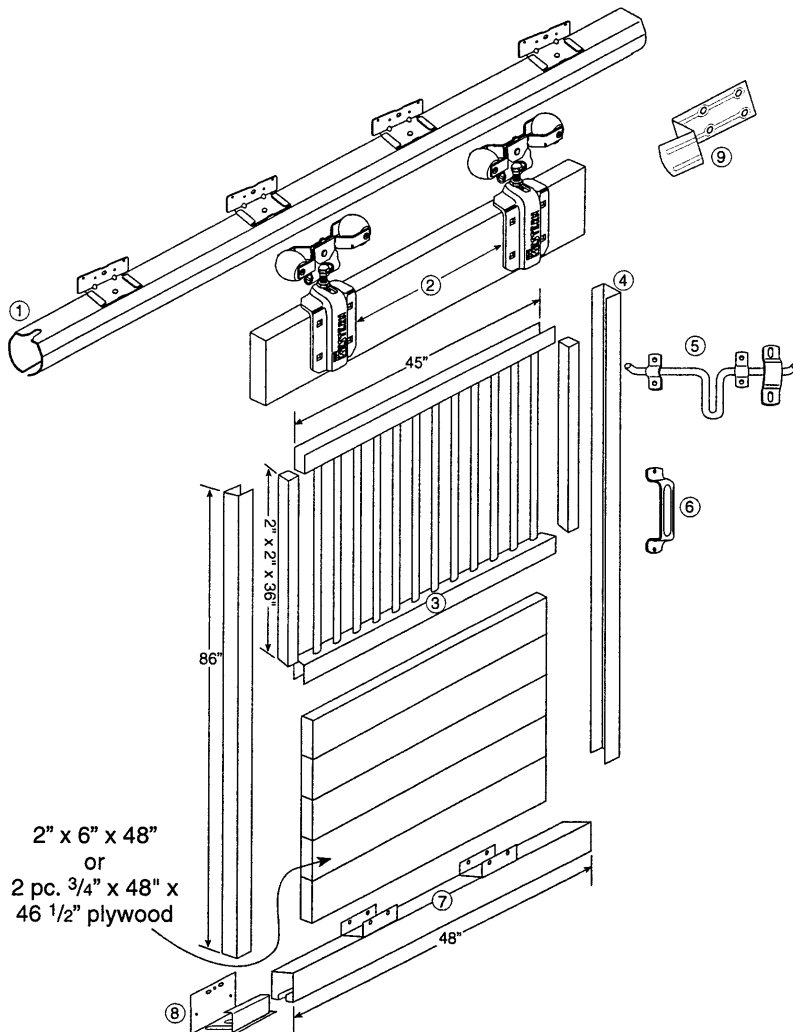
Step 3. Using the 1¼" screws, install one (1) header channel (part 2) on each corner post 37" above the end channels installed in step 1. The 37" dimension is from the top of the side wall board to the bottom of the header channels.

Step 4. The grillwork bars are welded in the channels at the factory. To assemble, place the grillwork Assembly over the wall boards and press down until the bars come into contact with the lumber.

Step 5. Slip the header boards into the header channels installed in step 3, and slide them down until they rest firmly on top of the bars installed in step 4.

Step 6. At this point, the remaining 1¼" screws should be installed in the header channel and the upper and lower bar channel.

Step 7. Using the screws furnished, install the wall supports (part 3) vertically and centered laterally on the inside of the wall. A solid wood wall requires two (2) braces, one directly above the other, while a grillwork wall needs only one brace below the grillwork.



Door Kit

- ① 1- 8' #3B Round Track
- ② 1 pr. 203-L Trolley
- ③ 1- 45" x 36" Welded Grille Section
- ④ 86" Lumber Fit Vertical Channel
- ⑤ #630 Sliding Latch
- ⑥ 50-3 Door Pull
- ⑦ 1- 4' #61 Bottom Guide
- ⑧ #401 Bottom Guide Retainer
- ⑨ #540 Door Stop

Sliding Door Assembly

Step 1. Cut the 3/4" x 48" x 96" sheet of plywood into two pieces of 48" X 46 1/2". Note: 2" x 6" material is widely used rather than plywood.

Step 2. Slide the two pieces of plywood into the left and right side channels (part 1) bottom.

Step 3. Install both 2" x 2" x 36" filler into the left and right side channels using two of the truss-head screws supplied. These 2" x 2"s simply slide into the side channels.

Step 4. Install the welded grillwork into the door by sliding the bottom channel over the plywood up to contact between the bars and the plywood.

Step 5. Slide the 2" x 6" x 4' board down, between the left and right side channels into the top bar holder until contact is made with the grillwork bars.

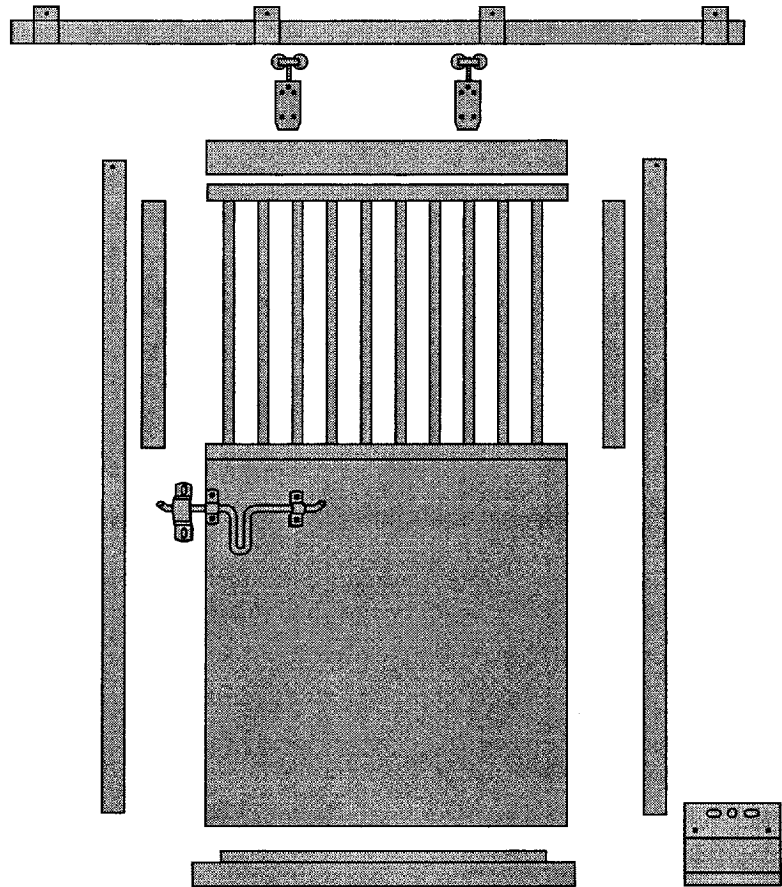
Step 6. Square up the door and install truss-head screws in the face of the door.

Step 7. Install the door latch on the left or right side of the door, as desired, using the fasteners that are packaged with the latch. Template is included with latch.

Step 8. Install the trolley hangers according to the directions furnished with the style of hangers ordered.

Step 9. Install the bottom door channel/ guide with truss-head screws. Note: Pre-drilling is advised to prevent separating the plywood sheets.

Vertical channel is lumber fit for any standard lumber.



Hanging the Door

Step 1. Fasten door track to the wall with mounting brackets at 93" to top of track using 3/8" x 2" lag bolts furnished. This provides about 1" floor clearance for the door. If more is required, raise the track accordingly.

Step 2. Using the screws supplied, install the #401 Bottom Guide on the wall at the lower corner of the door opposite the door latch so that it can run within the 48", #61 bottom door channel/guide.

Step 3. Hang the door by sliding the trolley hangers into the door track from one end while, at the same time, sliding the bottom door channel over the #401 which you installed in step 2. (See drawing at right.)

Note: The #540 is mounted to stop the door at the full-open positions.

