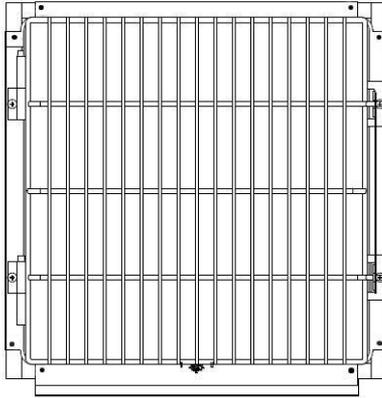
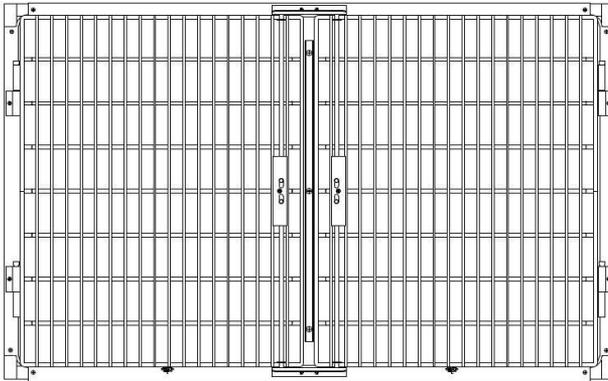


Congratulations on your purchase of Regal Cages!

Regal Cage Arrangement Assembly Instructions Single Door



Double Door



SSCI Contact Information

Suburban Surgical Co., Inc. 275 Twelfth Street Wheeling, Illinois 60090

Telephone: Illinois-(847)537-9320 Toll Free-(800)323-7366

Web: www.suburbansurgical.com

Parts Included

Cage(s): packaged individually

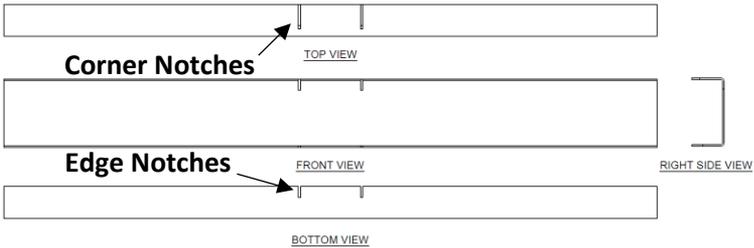
Base (optional): packaged individually with its own instructions

Floor Supports: packaged beneath cages, *UNDER* bottom cardboard

Center Support(s): Wider cages will use more than one center support

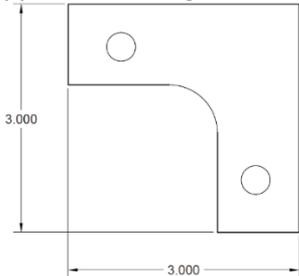


Rear support(s): One per cage, length will vary to match cage width

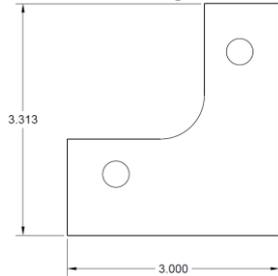


Assembly hardware:

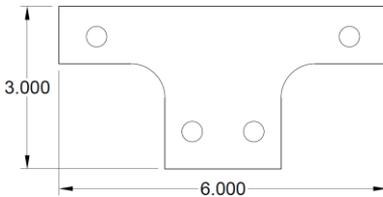
Corner Top Plates
upper left and right corners



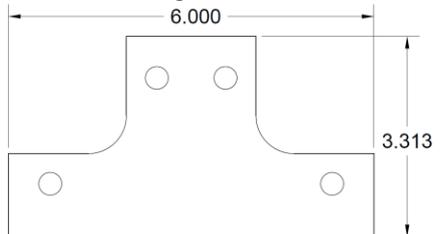
Corner Bottom Plates
lower left and right corners

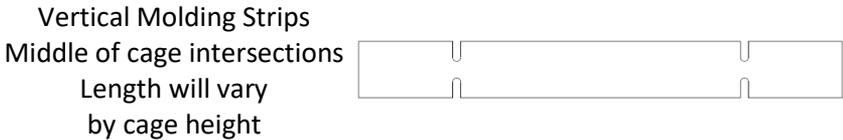
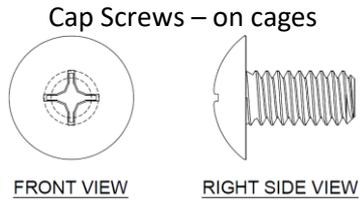
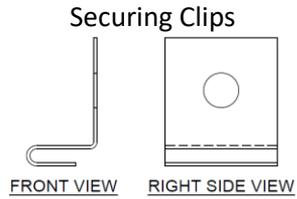
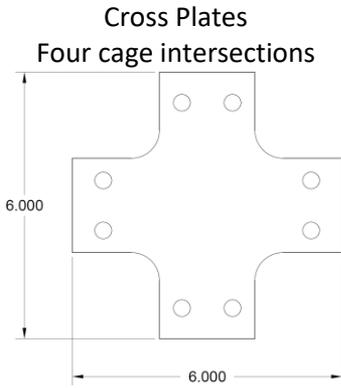


Top and Side Tee Plates
Between tiers and above cage intersections



Bottom Tee Plates
Below cage intersections





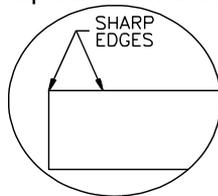
Double-sided foam tape: 30 ft. (9.14 m) roll, 1 in. wide

Confirm that the hardware provided matches your cage arrangement proposal drawing and refer to the drawing during cage assembly.

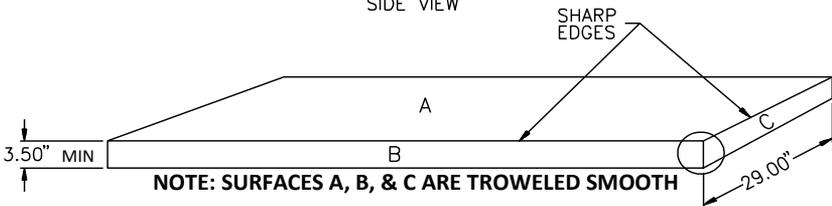
Assembly & Installation

Preparation of the Base

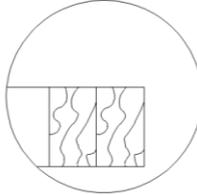
SSCI Stationary Base or SSCI Mobile Base: Refer to included manual.
Site-Built Concrete Base: A site-built concrete base must be at least 3.5 in. (8.9 cm) high and 29 in. (73.66 cm) front-to-rear. The top, front, and sides should have smoothly troweled surfaces, with sharp edges and square corners. The top surface must be level front-to-rear and left-to-right.



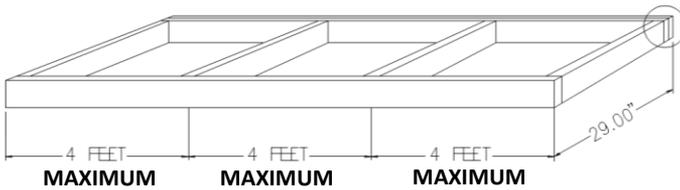
SIDE VIEW



Site-built Wood Base: A site-built wood frame base must be built of 2x4 lumber, set on edge, and at least 29 in. (73.66 cm) front-to-rear. The front and rear supports should span the width of the cage arrangement and be parallel to each other. The rear support should be two 2x4s nailed together; the front support should be one 2x4. There should be 2x4 crossmembers at each end, with intermittent 2x4 crossmembers spaced on no more than 4 ft. (1.22 m) centers. The top must be level front-to rear and left-to-right.



SIDE VIEW

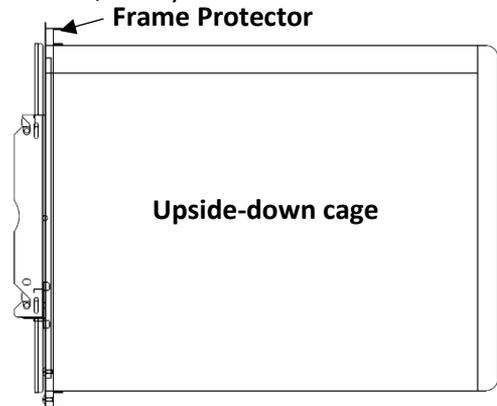


Preparation of the Cages

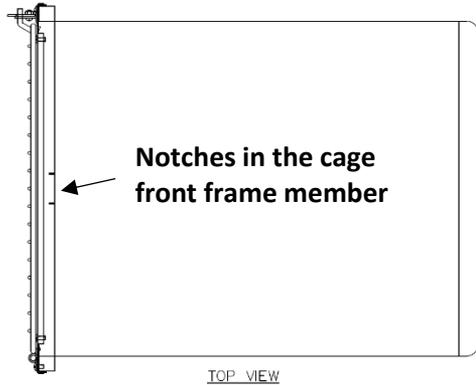
Tiers are numbered from the bottom up, starting with Tier 1.

Tools Required: Phillips screwdriver, Utility knife

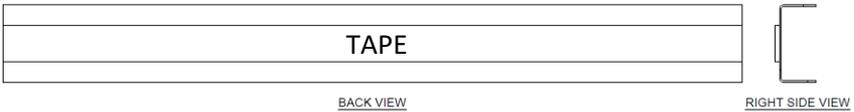
1. Assemble center and rear supports to a cage.
 - a. Turn the cage upside-down.
 - b. Remove the frame protector on the lower front cage flange.



- c. Apply double-face tape to the back of each center support for this cage.
- d. Peel back no more than 1/2 in. of the protective layer from one end of the tape.
- e. If this cage is on Tier 1, apply double-face tape to the *back* of the rear support.



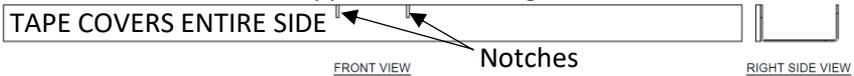
TOP VIEW



BACK VIEW

RIGHT SIDE VIEW

If this cage is on Tier 2 or higher, apply double-face tape to the *side* of the rear support with the edge notches.



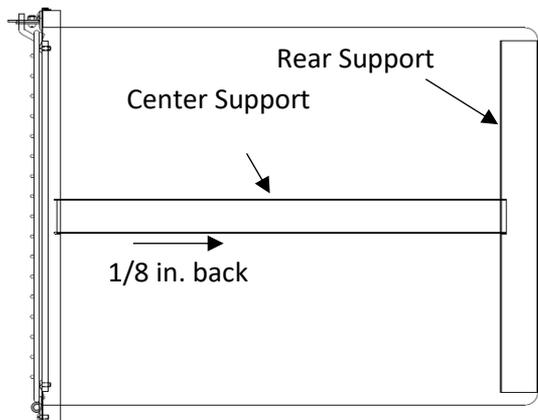
TAPE COVERS ENTIRE SIDE

FRONT VIEW

Notches

RIGHT SIDE VIEW

- f. Peel back no more than 1/2 in. of the protective layer from one end of the tape.
- g. Fit one end of the center support(s) into the cage front frame member's notches (See above). Push the center support(s) back 1/8 in. from the front of the cage frame to make it easier to attach the cages to the base.
- h. Fit the other end of the center support(s) into the rear support notches and center the rear support on the cage, left-to-right.



- i. When all supports are correctly positioned, lift them up slightly and unpeel the protective strip from the tape.
 - j. Press the supports down firmly to bond them to the bottom of the cage.
2. If noise reduction strapping is to be applied to the cage, do so now. Refer to Installing Noise Reduction Strapping, Page 7.
 3. All single-door Regal cages come from the factory hinged on the left. If this cage is to be altered to hinge right, do so now. Refer to Reversing the Door Hinges, Page 8.
 4. Loosen ALL the cap screws on the front of the cage.
 5. Repeat Steps 1 through 4 for each cage.

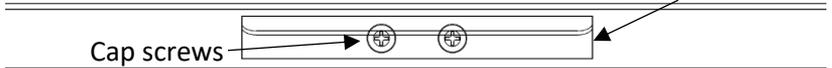
Mounting the Cages to the Base

- For an SSCI stationary or mobile base – See below
- For a site-built concrete or wood base – Refer to Page 6

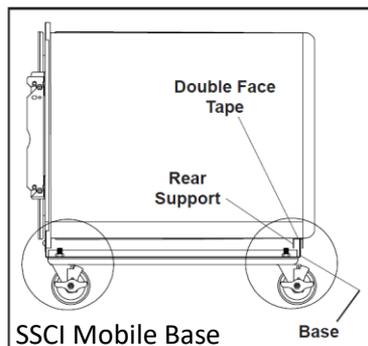
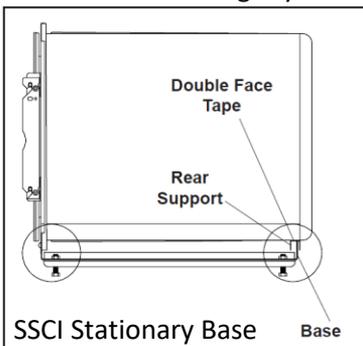
SSCI Stationary or Mobile Base

When working with a mobile base, make sure the brakes are ON

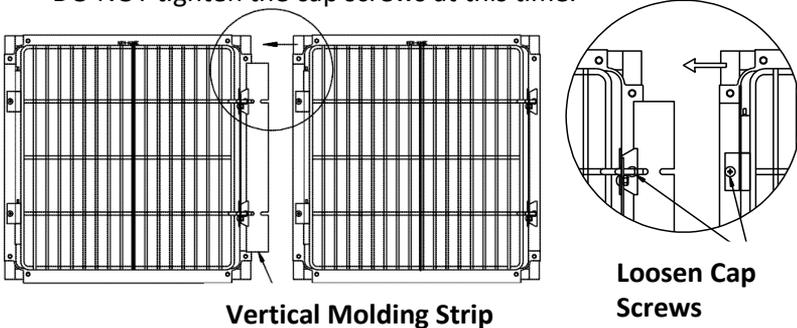
1. For a double-door cage, remove the two cap screws that hold the lower latch striker, and remove the striker.



2. Starting with a cage at one end, against the wall if there is one, place the cage on the base so that the base front flange fits between the cage body and the cage front flange. The fit will be fairly tight and you may have to force the cage down slightly to align the holes properly. The rear of the cage will overhang the back of the base slightly.



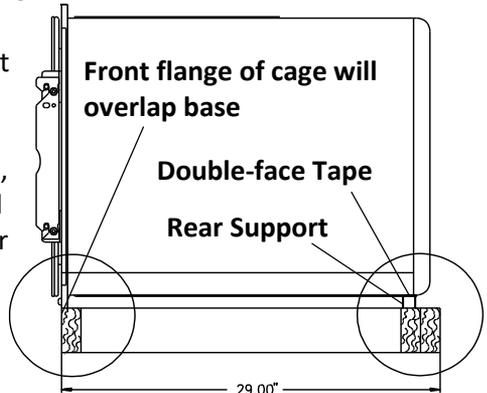
- Place the Corner Bottom Plates, Bottom Tee Plates, and Vertical Molding Strips over the cage as appropriate to its intersections.
- Using the appropriate pieces of hardware as listed in Step 3, loosely tie the cage to the base and nearby cages (if any). For Vertical Molding Strips, loosen the hinge cap screws (See below). **DO NOT** tighten the cap screws at this time.



- For a double-door cage, loosely replace the lower latch striker but do not tighten the cap screws.
- Repeat for all cages in Tier 1.
- If you wish to insulate the cages in Tier 1, apply fiberglass now. Refer to Insulating the Cages, Page 10.

Site-built Concrete or Wood Base

- Place a cage on the base so that cage front flange overlaps the front of the base.
- Place the Corner Bottom Plates, Bottom Tee Plates, and Vertical Molding Strips (See above) over the cage as appropriate to its intersections.
- Using the appropriate pieces of hardware as listed in Step 2, loosely tie the cage to the base and nearby cages (if any). **DO NOT** tighten the cap screws at this time.
- Repeat for all cages in Tier 1.
- If you wish to insulate the cages in Tier 1, apply fiberglass now. Refer to Insulating the Cages, Page 10.



Cage Assembly Tier 2 and Higher

Make sure the rear supports are correctly installed. If they are not, the cages will not be level (Refer to Preparation of the Cages, Page 3).

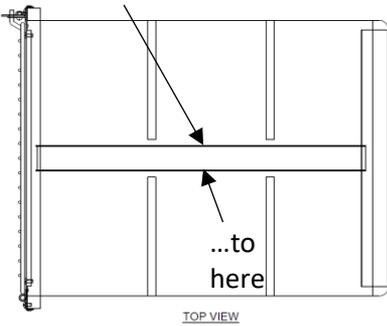
1. Place the first cage in the tier on top of the lower tier at one end of the arrangement, near a wall if applicable.
2. Place the Corner Top Plates, Top and Side Tee Plates, Cross Plates, and Vertical Molding Strips over the cage as appropriate to its intersections. See Page 6 for Vertical Molding Strip placement.
3. Using the appropriate pieces of hardware as listed in Step 2, loosely tie the cage to the base and nearby cages.
DO NOT tighten the cap screws at this time.
4. Place the rest of the cages on this tier, repeating Steps 2 and 3 for each cage.
5. If you wish to insulate the cages in this tier, apply fiberglass now. Refer to Insulating the Cages, Page 10.
6. Repeat Steps 1 through 5 for each tier.
7. Install end panels, if any. Refer to Adding End Panels, Page 11.
8. Install top panels, if any. Refer to Adding Top Panels, Page 13.
9. Tighten all cap screws on all cages and assembly hardware.
10. Install divider panels into the double-door cages if applicable.
Refer to Divider Panels - *Installation*, Page 14.

Installing Noise Reduction Strapping

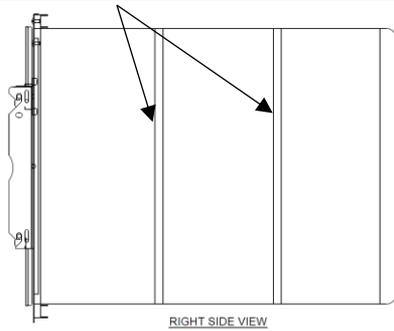
Tools Required: Measuring tape, Utility knife

1. Measure two lengths of strapping to reach from one side of the center support, around the cage, to the other side of the center support. The strapping should not pass over or under the center support. On cages with more than one center support, it is not necessary to apply strapping between the center supports.
2. Remove the strapping's protective strip to expose the adhesive surface.
3. Press the strapping onto the cage. Use two strips per cage, spaced so that the cage is divided approximately into thirds, front-to-back (See Page 8).

Measure from here...



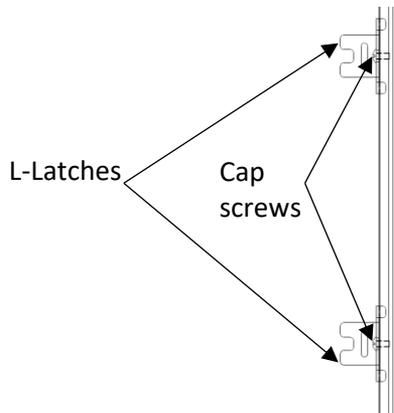
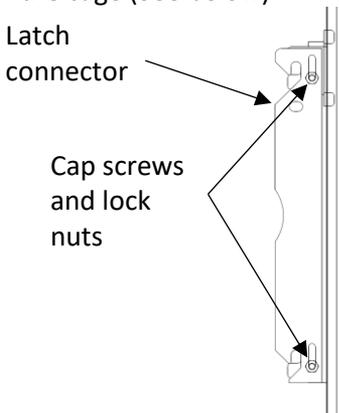
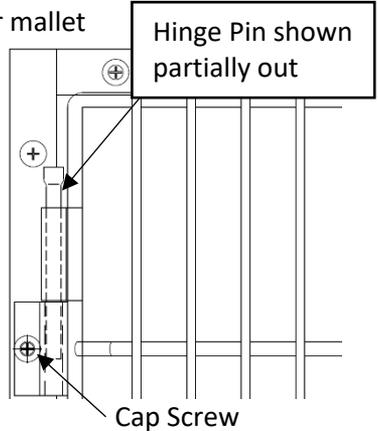
Strapping



Reversing the Door Hinges

Tools Required: Phillips screwdriver, 7/16 in. wrench, Punch (1/4 in. dia. max.), Small hammer or mallet

1. With a punch and a small hammer, remove both hinge pins from the cage door (See right).
2. Remove the door from the cage.
3. Remove the cap screws that hold the hinges to the cage (See right).
4. With a Phillips screwdriver and a 7/16 in. wrench, remove the cap screws and lock nuts that hold the latch connector to the L-latches and remove the latch connector from the cage (See below).



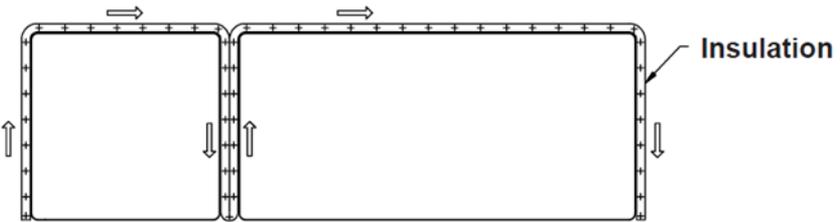
5. With a Phillips screwdriver, remove the cap screws that hold the L-latches to the cage and remove the L-latches (See Page 8).
6. Reverse the L-latches and mount them with the cap screws to the holes from which the hinges were removed.
7. Mount the latch connector to the L-latches and secure it with the screws and lock nuts removed in Step 4. The latch connector should be mounted outboard of the L-latches, away from the center of the cage.
8. Mount the hinges to the holes from which the L-latches were removed.
9. Reverse the door and rehang it on the hinges.
10. Insert the hinge pins (flat ends up).
11. Try operating the latch connector to open and close the door. It should operate smoothly and should lock automatically as the door closes. If not:
 - a. Loosen the L-latch cap screws.
 - b. Move the L-latches slightly as needed.
 - c. Retighten the L-latch cap screws.
 - d. Try the door again and repeat the adjustment until the latch mechanism works smoothly.

Insulating the Cages

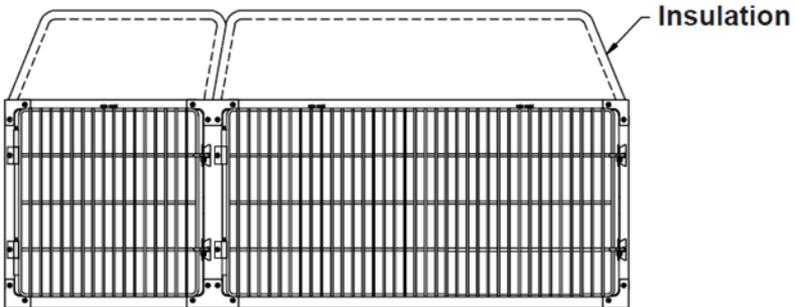
You can insulate your cage arrangement with fiberglass for increased animal comfort. Fiberglass insulation can be obtained from a local lumber yard or construction supply outlet.

CAUTION: Wear suitable eye and skin protection when working with fiberglass to prevent tissue irritation or damage from glass fibers.

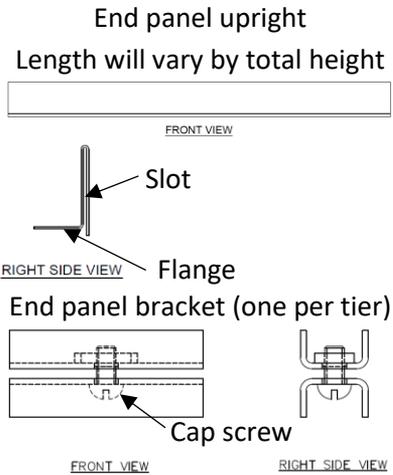
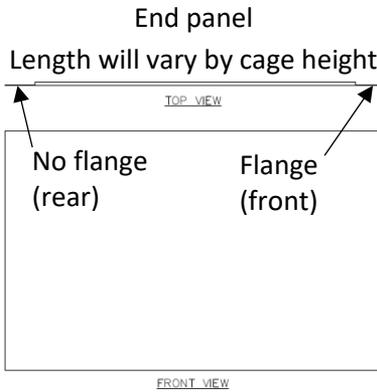
Insulate each tier of cages before installing the next higher tier. Apply the insulation across the top and on both sides of the cages as shown.



Cross Section

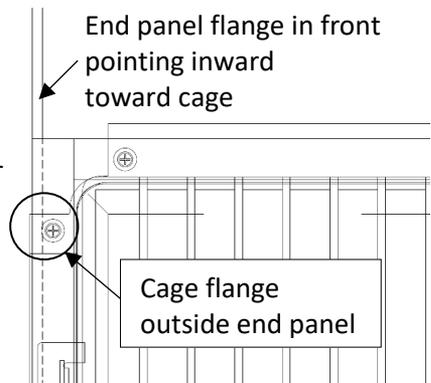


Adding End Panels

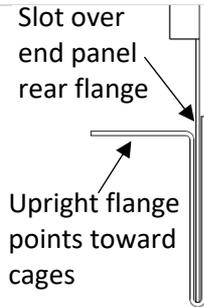


Tools required: Phillips screwdriver, Flat-blade screwdriver

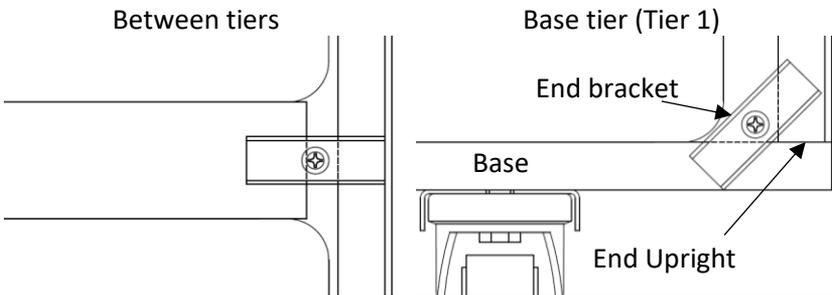
1. Attach the end panels to the cage
 - a. Loosen cap screws on all assembly hardware, hinges and L-latches on the end of the cage (See Page 8 for hinges).
 - b. With the flanged side to the front, slide the end panel down between the cage body and the cage flange. The end panel flange should point toward the cage.
 - c. Slide panel down until bottom of panel is even with bottom of cage. On higher tiers, panels should go down until they meet the end panel of the next lower tier.
2. Mount the end panel uprights
 - a. Slide the slot of the end panel upright onto the rear edges of the end panels. The flange of the upright should point toward the cages (See Page 12).



- b. Push the upright onto the end panels as far as it will go. Make sure the lower end of the upright is even with the lower edge of the bottom panel.
3. Install the end panel brackets
 - a. With a flat-blade screwdriver, loosen the cap screw in one end panel bracket.
 - b. Slide bracket between the rear support on top of the bottom cage and the upright.



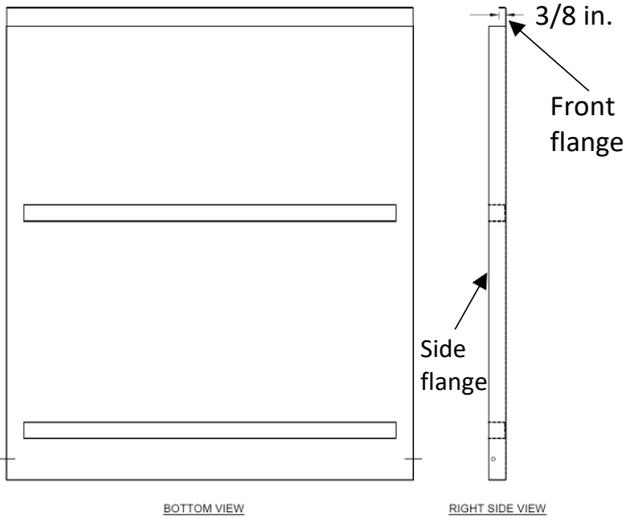
TOP VIEW



- c. Push the upright into the bracket and tighten the bracket cap screw.
- d. Repeat Steps 3a through 3c to install a bracket between the base frame and the upright. You will have to place the bracket at an angle.
- e. If the arrangement has three or more tiers, repeat Steps 3a through 3c on the rear support between each two tiers. There will be no bracket at the top of the upright.
4. Tighten all the assembly hardware, hinge, and L-latch cap screws.

Adding Top Panels

Top panel – Width will vary by total width

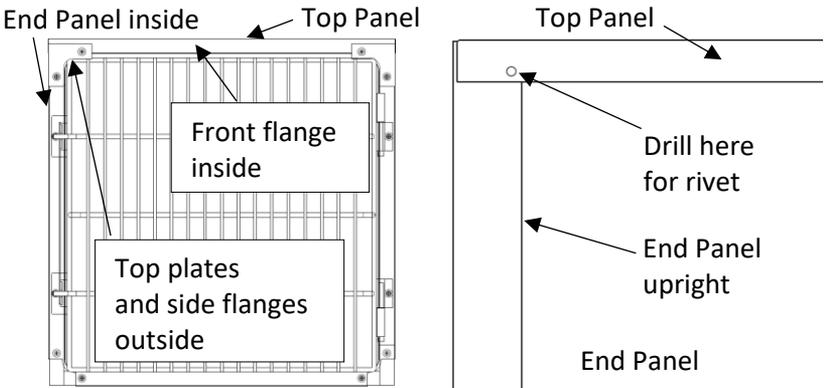


Tools required: Phillips screwdriver, Flat-blade screwdriver

Optional tools: Electric drill with 3/16 in. dia. drill bit, Pop-riveter

Install any End panels first (Refer to Adding End Panels, Page 11).

1. Loosen cap screws on top corner and tee plates on top tier cages.
2. Place your top panel on top of the arrangement so that the front flange fits between the cages, the top corner, and tee plate(s), and the side flanges fit outside the end panels.
3. Tighten all the cap screws on the top corner and tee plate(s).



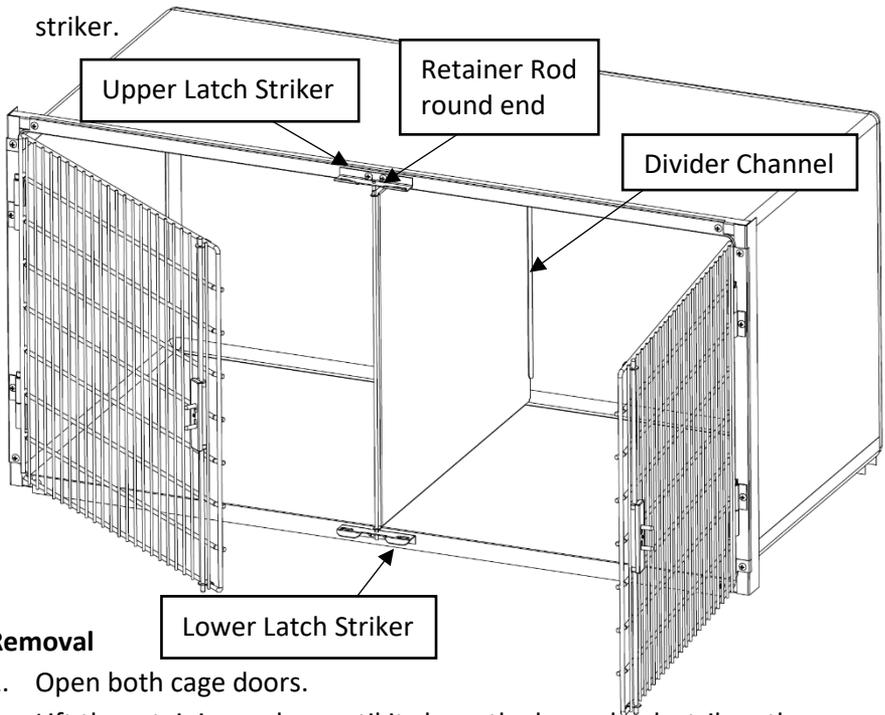
Note: Steps 4 and 5 are optional.

4. Drill a 3/16 in. hole through the end panel behind hole in the top panel side flange (See Page 13).
5. Fasten the top panel to the end panel with included 3/16 in. pop-rivet.

Divider Panels (Double Door Cages Only)

Installation

1. Open both cage doors.
2. Slide the divider panel into the cage and engage it into the divider channel at the rear of the cage.
3. Pass the round end of the retaining rod up through the upper latch striker, then fit the flat end of the rod down into the lower latch striker.



Removal

1. Open both cage doors.
2. Lift the retaining rod up until it clears the lower latch striker, then lower the rod until the top end clears the upper latch striker.
3. Slide the divider panel out of the cage.