

Easy-to-Follow



DIAGONAL CORNER MODULES

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When working with metal, the edges are very sharp and may have small splinters across the edges. Be extremely careful when handling each piece. It is highly recommended to wear safety glasses and gloves at all times while building your modules. Eye protection is required when cutting or screwing metal pieces to protect against errant metal pieces and particles.

Keep children and animals away from the metal pieces and completed frame kits.

Please follow all manufacturer directions on how to properly install BBQ products.

Check with your local codes on construction for the required permits you may need for construction of your BBQ island.

Utility lines should only be installed by a licensed plumber or electrician per the code in your area. Do not forget to get a permit if required by local laws or regulations.

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Each party shall be responsible for its share of the arbitration fees in accordance with the applicable Rules of Arbitration. In the event a party fails to proceed with arbitration, unsuccessfully challenges the arbitrator's award or fails to comply with the arbitrator's award, the other party opposing party is entitled to costs of suit, including a reasonable attorney's fee for having to compel arbitration or defend or enforce the award.

If you are still having trouble putting your module together, we are here to help. Contact us at 800-289-3492 or email support@diybbq.com.

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## Useful Terms

**Unassembled Module:** A complete module set that must be completed from the ground-up.

Assembled Module: A complete module set in which all of the Perimeter walls and Cross Channel walls are pre-assembled prior to shipping.

**Perimeter Walls:** Module walls that measure over 28" in length in a corner module.

**Cross Channels (hCC):** Module Walls that measure 28" or less in length in a corner module.

**Angle Brace:** A piece that supports the tracks to the outer studs of the front and back walls of an unassembled module.

**Perimeter Wall Track:** The top and bottom pieces of a Perimeter or Cross Channel wall.

**Perimeter Wall Stud:** The sides and inside pieces of a Perimeter or Cross Channel wall.

Quick Panels: The back and front walls of an Assembled Module that include a second support stud on each end for extra durability.

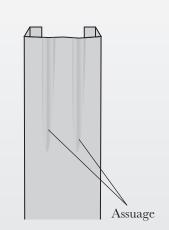
**Assuage:** The small creases that appear on the ends of a stud that allows for easier assembly (see image to right).

**Web Holes:** The small, precut holes, usually appearing in sets of three on the back side of a Cross Channel wall that act as a guide for drilling when attaching Cross Channel walls to the front and back walls of a module.

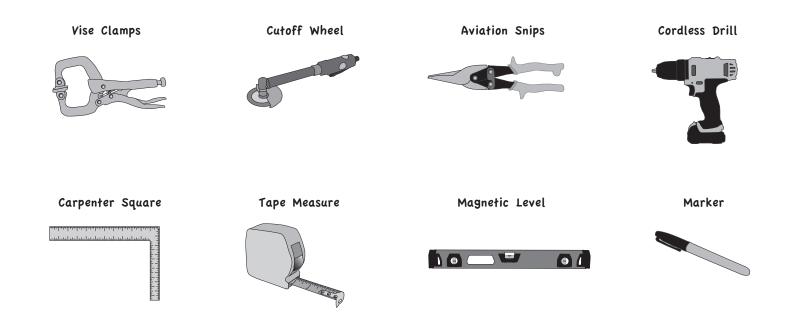
**Catch Track (CT):** Long or small pieces that attach to the inside of a Perimeter Wall to hold and secure Appliance Tracks.

**Countertop Stud (CTS):** Pieces that slide perpendicular into a Catch Track to support the Appliance Tracks as well as the appliance, door or drawer.

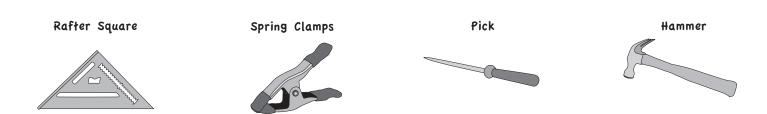
**Appliance Tracks:** Pieces that run perpendicular and connect Countertop Studs or Perimeter Wall Studs that hold and support an appliance.



## Required Tools for Assembly



## Recommended/Alternate Tools for Assembly



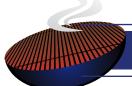
#### PROFESSIONAL TIPS

## Proper Safety equipment is extremely important.

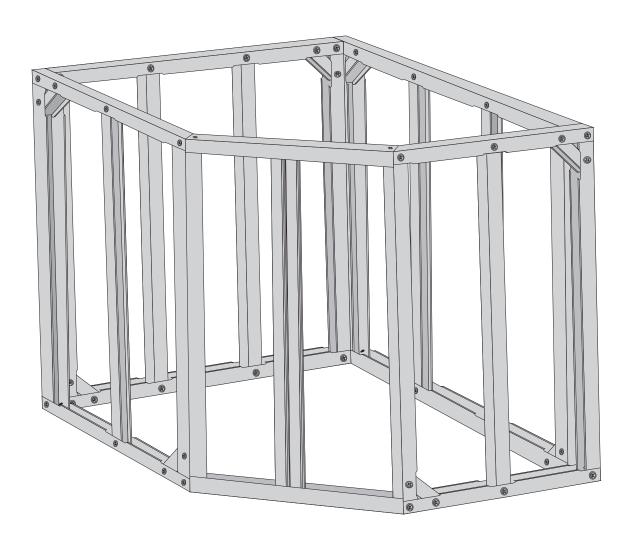
Always wear safety glasses and gloves when assembling your modules.

Using proper tools will make the project much easier to do and will help you obtain a properly built project. This list is of the basic tools you'll need to build your modules. You may use whatever tools you deem necessary to complete your project in the easiest way possible. All tools listed here and others you may wish to acquire can be found at Lowes®, Home Depot®, Amazon and other on-line retailers.

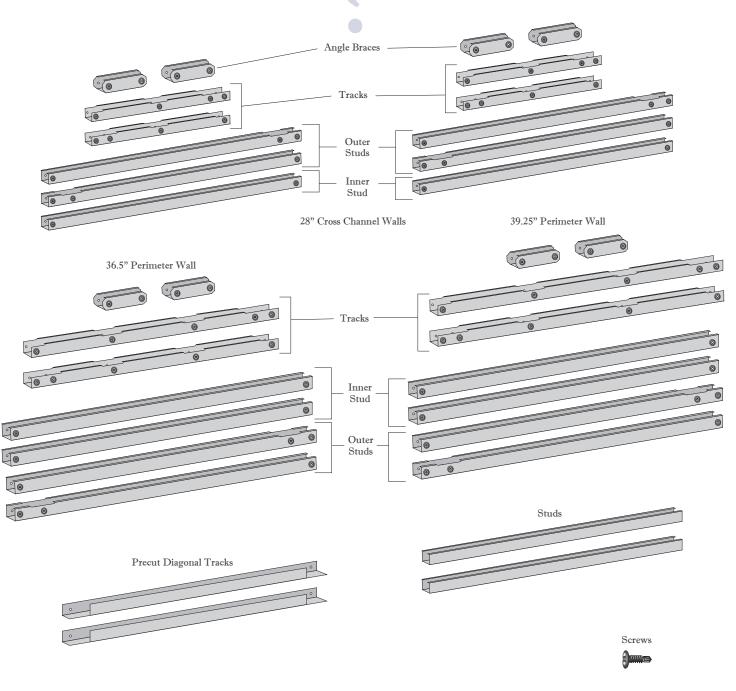
A cordless impact driver will make steel frame assembly easier and help protect the edges of the HardieBacker® cement board from cracking during installation onto the frame.



## DIAGONAL CORNER MODULE



## What's in the box



### CHECK LIST

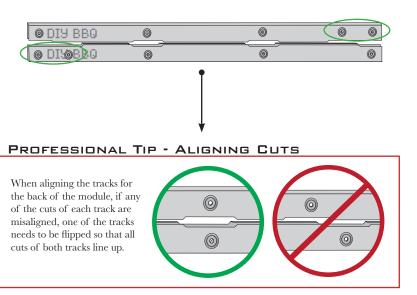
- 8 Angle Braces
  - 4 Cross Channel Tracks
- 2 36.5" Perimeter Wall Tracks
- 2 39.25" Perimeter Wall Tracks
- 6 Cross Channel Studs

- 8 Perimeter Wall Studs
- 2 Precut Diagonal Tracks
- 2 Studs
- Self-Tapping Screws (Minimum amount needed for assembly: 107)



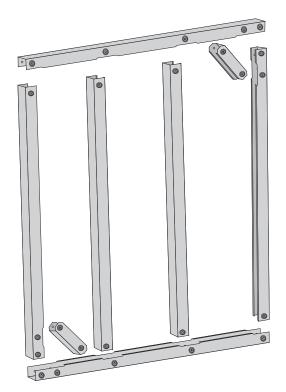
Find both 36.5" Perimeter Wall Tracks and align them so that the double dimpled holes are opposite one another, and that the length of each is the same.

**Note:** When aligned correctly, the text printed on each stud will read exactly the same.





Spread out the pieces to form a loose framework of the wall prior to attaching anything. **Note:** Unlike the front wall, the center studs will be positioned within the frame and remain fixed in place.





Place one end of the first angle brace into the bottom track.

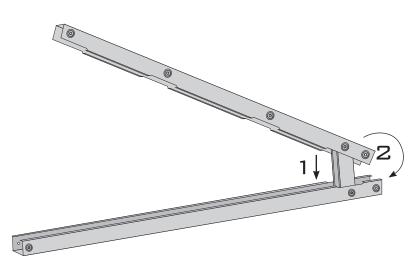
**Note:** You may place the angle brace into either the stud or the track first, however, it's easier to maneuver the brace into the opposite piece if you first slide your angle brace into the smaller of the two pieces.

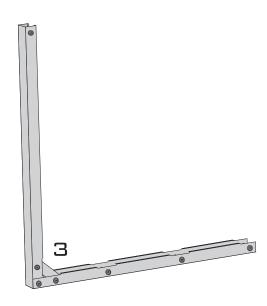






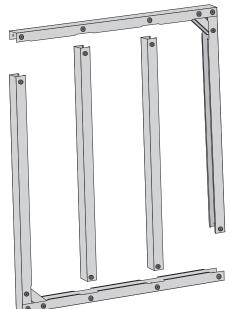
Slide the other side of the angle brace into the outer left stud and then easily swing the track into place on the edge of the stud. Reconfigure the pieces so that the track rests at the bottom.







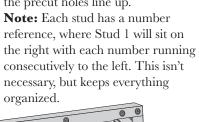
Repeat steps 3 and 4 to attach the second angle brace to the opposite stud and track. You should now have two L-shaped pieces.





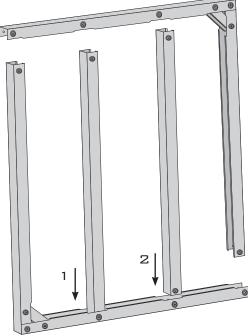
Slide each center stud into the bottom track. Make sure that each of the precut holes line up.

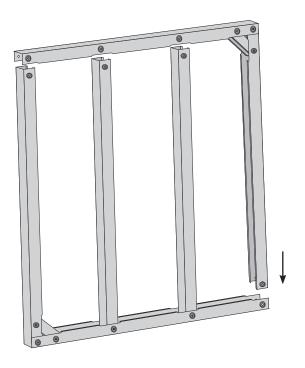
reference, where Stud 1 will sit on consecutively to the left. This isn't necessary, but keeps everything





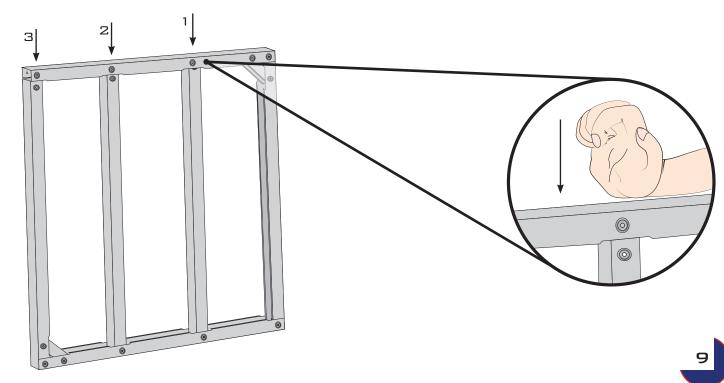
Slide the second L-Shape piece into the end of the bottom track. **Note:** When sliding the stud into the track, the top track may bend up slightly. Do not worry. This will be adjusted in the next step.





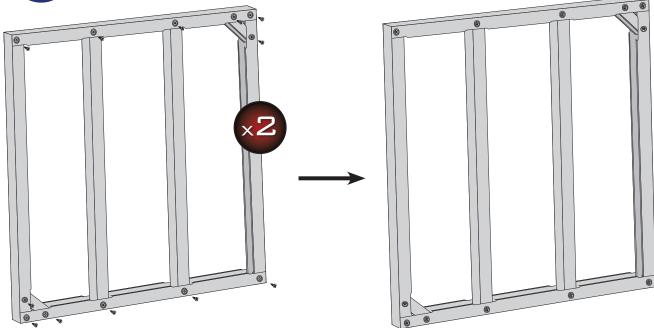


Adjust the top of each stud so that they fit comfortably inside the top track. Then use the butt of your palm to carefully but firmly hit each stud into the top track so that all precut holes in both the track and studs are aligned. **Note:** If the studs do not slip right in when hit, readjust the studs and then reapply pressure to the track.



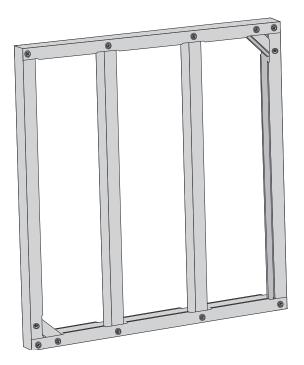


Drill screws in all twelve (12) pre-drilled holes. When complete, flip the wall over and drill twelve (12) additional screws into the opposite side. You should now have a completed frame wall.





Repeat steps 2-9 to construct the 39.25" Perimeter Wall. You should now have one complete 36.5" Perimeter Wall wall and one complete 39.25" Perimeter wall.







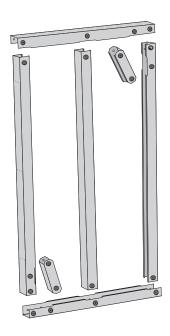
Align the tracks so that the double dimpled holes are opposite one another.

**Note:** When aligned correctly, the text printed on each stud will read exactly the same.



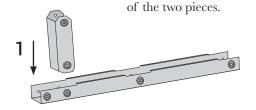


Spread out the pieces to form a loose framework of the wall prior to attaching anything.





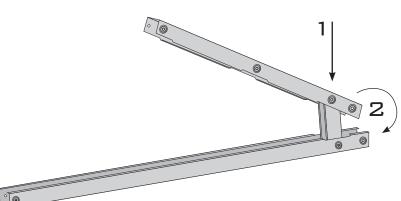
Place one end of the first angle brace into the bottom track. **Note:** You may place the angle brace into either the stud or the track first, however, it's easier to maneuver the brace into the opposite piece if you first slide your angle brace into the smaller

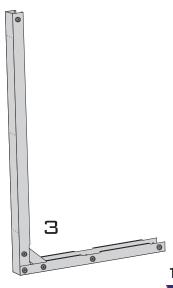






Slide the other side of the angle brace into the corresponding stud and then easily swing the track into place on the edge of the stud. Reconfigure the pieces so that the track rests at the bottom.





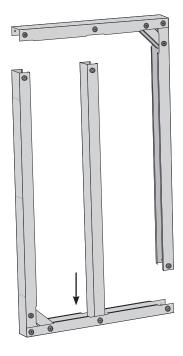


Repeat steps 3 and 4 to attach the second angle brace to the opposite stud and track. You should now have two L-shaped pieces.



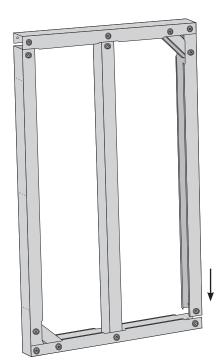


Slide the center stud into the bottom track. Make sure that the precut holes match up.



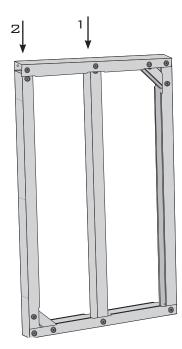


Slide the second L-Shape piece into the open end of the bottom track. **Note:** When sliding the stud into the track, the top track may bend up slightly. Do not worry. This will be adjusted in the next step.



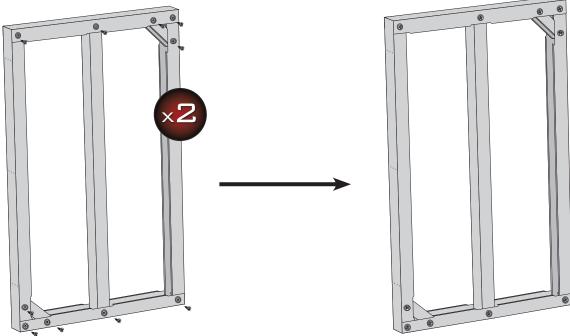


Adjust the top of each stud so that they fit comfortably inside the top track. Then use the butt of your palm to carefully, but firmly, hit each stud into the top track so that all precut holes in both the track and studs are aligned.



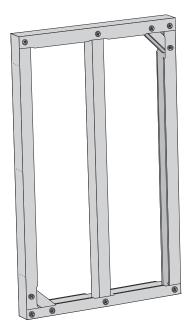


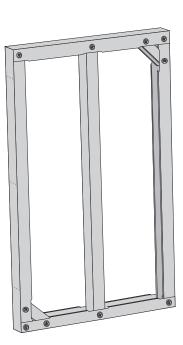
Drill screws in all ten (10) pre-drilled holes. When complete, flip the wall over and drill ten (10) additional screws into the opposite side. You should now have a completed frame wall.





Repeat steps 1 through 9 for the second CC wall. You should now have two complete Cross Channel walls.

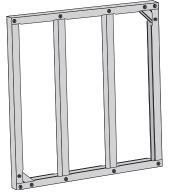


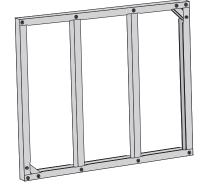


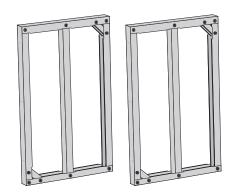
## Complete Assembly



Make sure you have all of your assembled pieces.



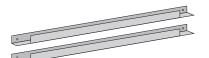


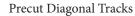


36.5" Perimeter Wall

39.25" Perimeter Wall

Cross Channel Walls



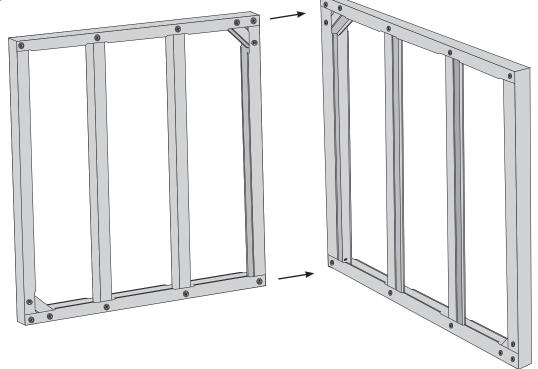


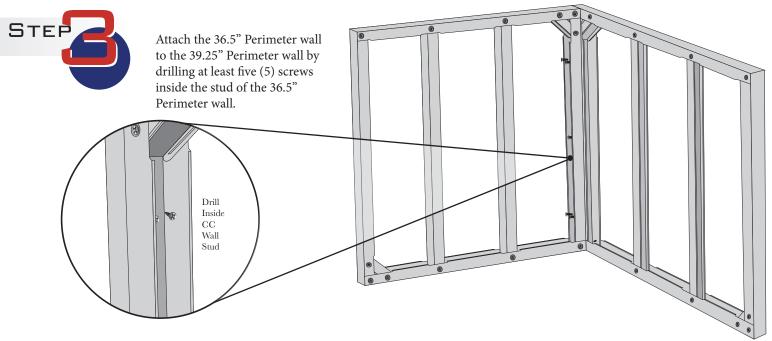


Studs



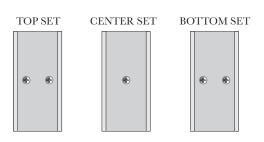
Slide the 36.5" Perimeter wall against the 39.25" Perimeter wall so that it aligns flush along the inside edge of the 39.25" Perimeter wall.





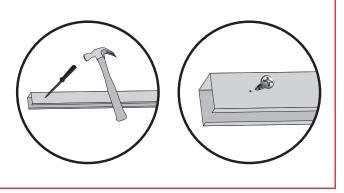
## PROFESSIONAL TIP - ATTACHING CCs to Perimeter Walls

For strongest integrity, use at least two screws near the top of the stud, one in the center, and two near the bottom.



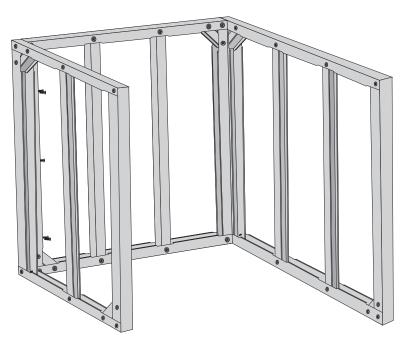
#### PROFESSIONAL TIP - DRILLING SCREWS INTO METAL

Though the screws you'll use to assemble your cutouts are self-tapping, it can still be difficult to drill without a guide. If you find it difficult to drill your screws into the metal, start by placing the end of a pick where you would like to place your screw and gently tap the end of the pick with a hammer. This will make a small indent in the metal that you can rest your screw into.





Place the first Cross Channel (CC) Wall on the left outside edge of the 36.5" wall and make sure the outer edges are flush. Attach the 36.5" Perimeter Wall to the CC Wall by drilling at least five (5) screws inside the stud of the 36.5" Perimeter wall.



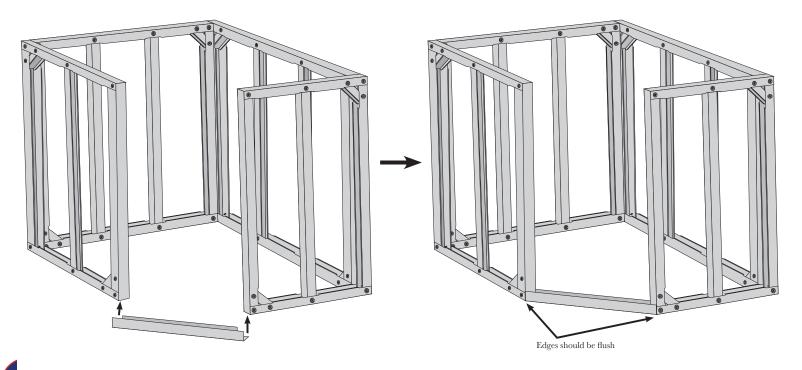


Place the second Cross Channel wall on the right outside edge of the 39.25" wall and make sure the outer edges are flush. Attach the 39.25" Perimeter Wall to the CC Wall by drilling at least five (5) screws inside the stud of the 39.25" Perimeter wall.



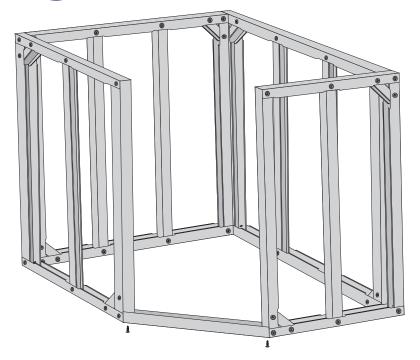


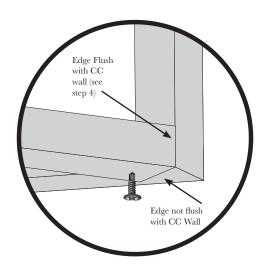
Place one of the Precut Diagonal Tracks underneath the bottom of the edge of each Cross Channel wall so that the edges of the non-cut edges align flush with the edges of the CC walls.





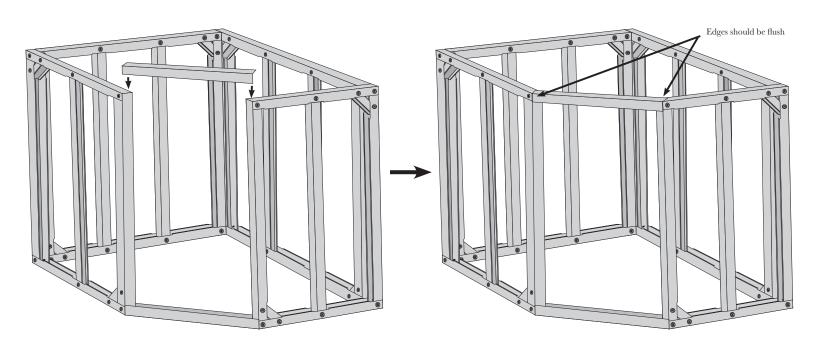
Attach the bottom Diagonal track to the both Cross Channel walls with one (1) screw under the Diagonal track. **NOTE:** The bottom of the Diagonal track will not be flush with the edges of the CC walls. (See Inset)





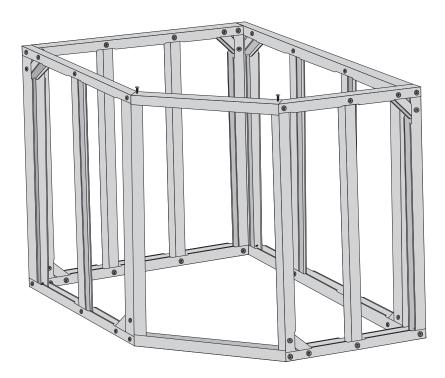


Place the second Precut Diagonal track along the top edges of the Cross Channel walls as was done with the bottom Diagonal Track.





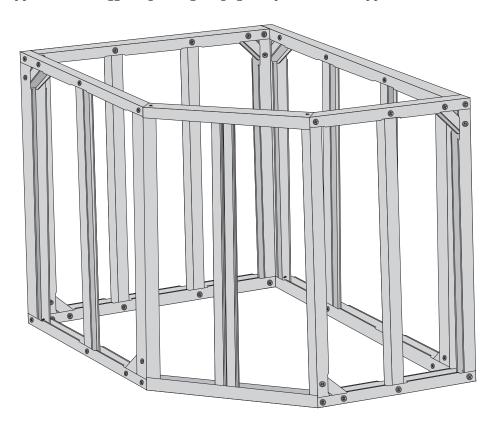
Attach the top Diagonal track to both Cross Channel walls with one (1) screw on top of the Diagonal track. **NOTE:** The edges of the Diagonal track will not be flush with the edges of the CC walls.



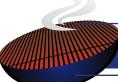


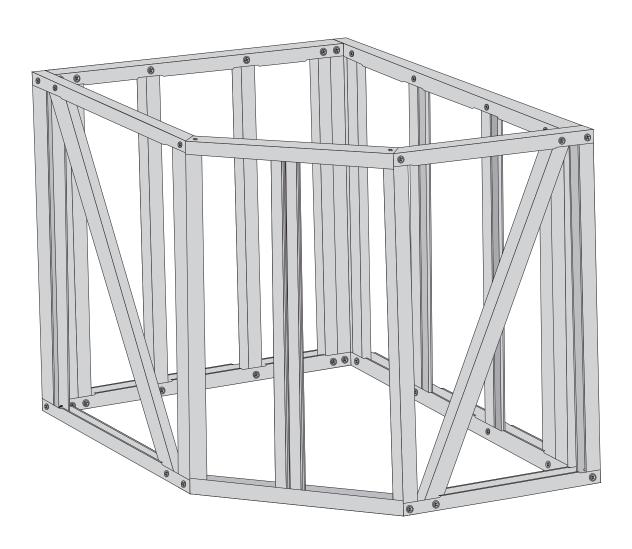
You should now have a complete Diagonal Corner Module. If you would like, you may place the additional studs into the center of the diagonal tracks (as pictured). You may drill them into the module for extra support or use them as part of an appliance cutout kit (sold separately).

If you have an Egg Kit, please go to page 25 of this manual. If you have a Sink Kit, please go to page 35.

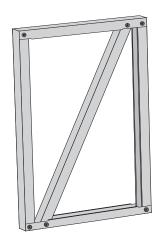




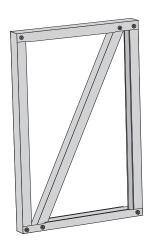




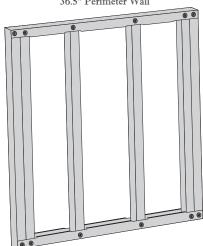
## What's in the box

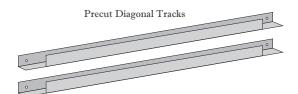


28" Cross Channel Walls

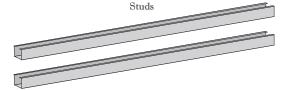


36.5" Perimeter Wall





39.25" Perimeter Wall



Screws

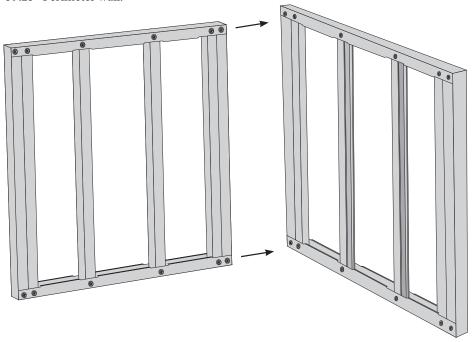
## CHECK LIST

- 1 36.5" Perimeter Wall
- 1 39.25" Perimeter Wall
- 2 Cross Channel Walls

- 2 Precut Diagonal Tracks
- 2 Studs
- Self-Tapping Screws (Minimum amount needed for assembly: 19)



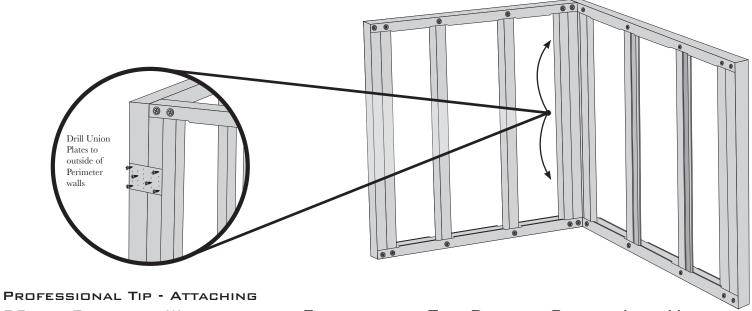
Slide the 36.5" Perimeter wall against the 39.25" Perimeter wall so that it aligns flush along the inside edge of the 39.25" Perimeter wall.





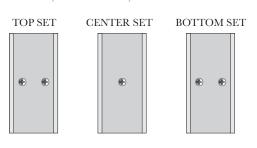
Attach the 36.5" Perimeter Wall to the 39.25" Perimeter Wall by screwing two union plates, one at the top and one at the bottom (see inset). Using six (6) screws in each plate will provide a strong attachment, however any amount from two to 23 may be used.

**Note:** Union plates and screws for the plates are sold separately.



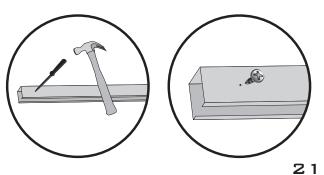
## CCS TO PERIMETER WALLS

For strongest integrity, use at least two screws near the top of the stud, one in the center, and two near the bottom.



## PROFESSIONAL TIP - DRILLING SCREWS INTO METAL

Though the screws you'll use to assemble your cutouts are self-tapping, it can still be difficult to drill without a guide. If you find it difficult to drill your screws into the metal, start by placing the end of a pick where you would like to place your screw and gently tap the end of the pick with a hammer. This will make a small indent in the metal that you can rest your screw into.





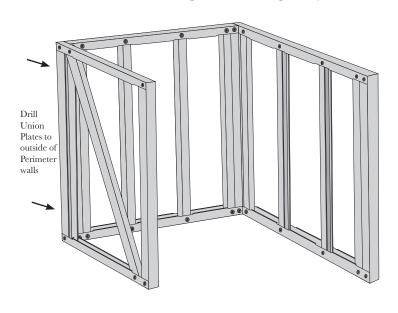
Place the first Cross Channel (CC) Wall on the left outside edge of the 36.5" wall and make sure the outer edges are flush. Attach the 36.5" Perimeter wall to the CC wall by attaching two union plates, one at the top and one at the bottom (see inset, page 21).

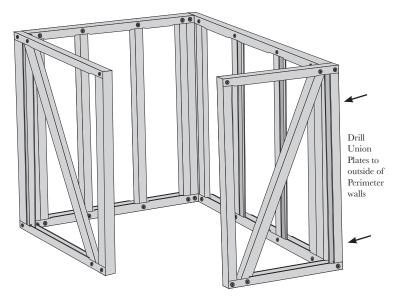
**Note:** Union plates and screws for the plates are sold separately.



Place the second Cross Channel wall on the right outside edge of the 39.25" wall and make sure the outer edges are flush. Attach the 39.25" Perimeter wall to the CC wall by attaching two union plates, one at the top and one at the bottom (see inset, page 21).

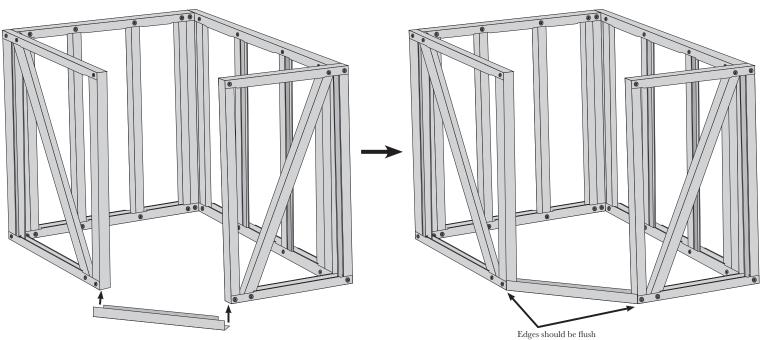
**Note:** Union plates and screws for the plates are sold separately.





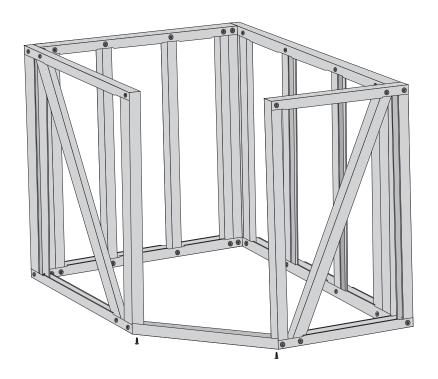


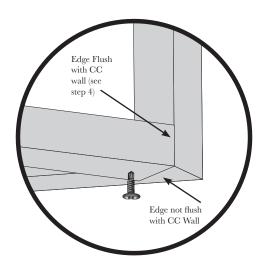
Place one of the Precut Diagonal Tracks underneath the bottom of the edge of each Cross Channel wall so that the edges of the non-cut edges align flush with the edges of the CC walls.





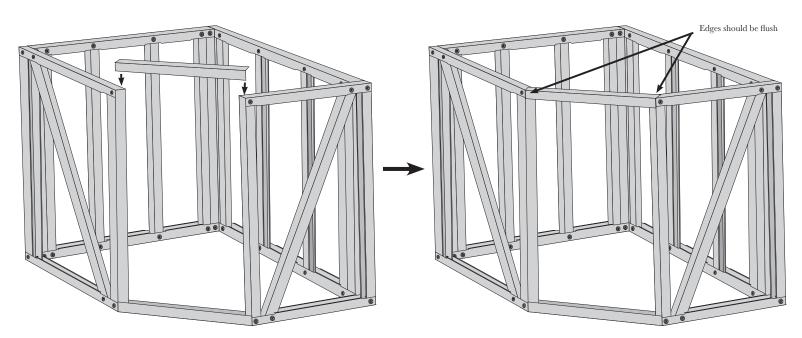
Attach the bottom Diagonal track to the both Cross Channel walls with one (1) screw under the Diagonal track. **NOTE:** The bottom of the Diagonal track will not be flush with the edges of the CC walls. (See Inset)





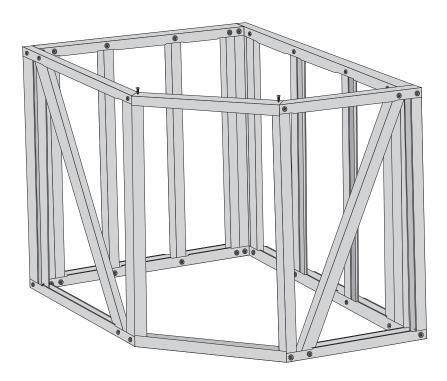


Place the second Precut Diagonal track along the top edges of the Cross Channel walls as was done with the bottom Diagonal Track.





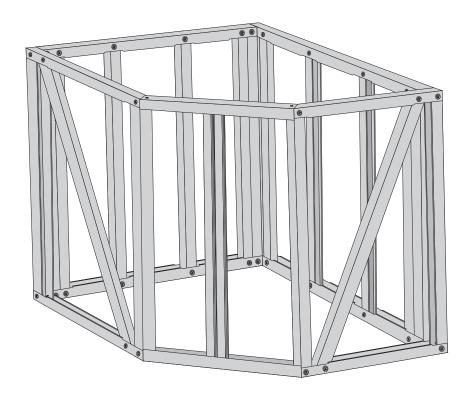
Attach the top Diagonal track to both Cross Channel walls with one (1) screw on top of the Diagonal track. **NOTE:** The edges of the Diagonal track will not be flush with the edges of the CC walls.



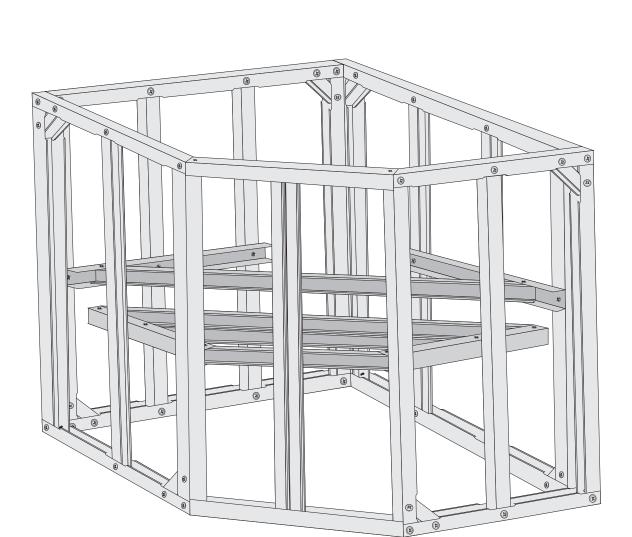


You should now have a complete Diagonal Corner Quick Panel Module. If you would like, you may place the additional studs into the center of the diagonal tracks (as pictured). You may drill them into the module for extra support or use them as part of an appliance cutout kit (sold separately).

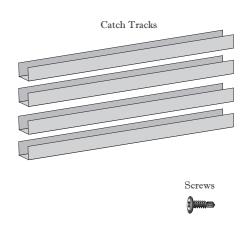
If you have an Egg Kit, please go to page 25 of this manual. If you have a Sink Kit, please go to page 35.

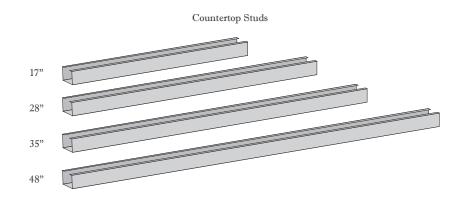






# What's in the box





### CHECK LIST

4 Catch Tracks

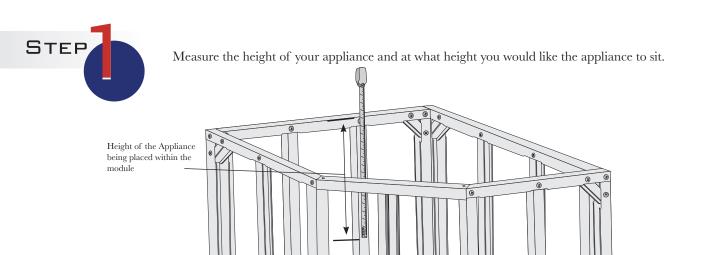
1 17" Countertop Stud

1 28" Countertop Stud

1 35" Countertop Stud

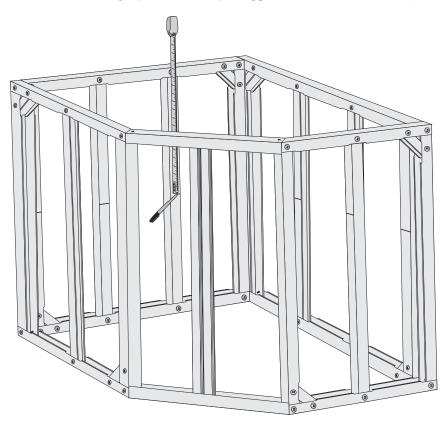
1 48" Countertop Stud

28 Self-Tapping Screws





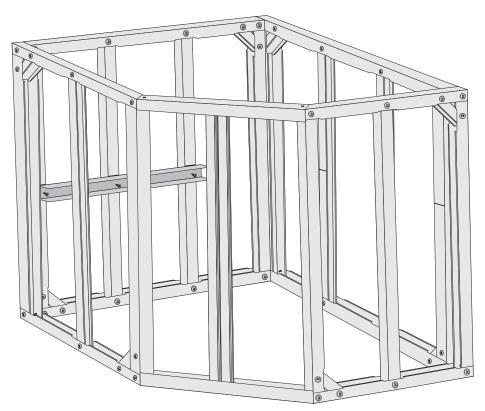
Mark each stud at the height you would like your appliance to sit. (11 Studs total)

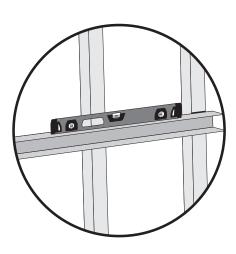




Place the first Catch Track against the 36.5" wall so that the top of the track aligns with the marks made in step 2. Drill the Catch Track into each stud.

**NOTE:** Set your level on the track to make sure that the Catch Track is level with the ground. (See Inset)

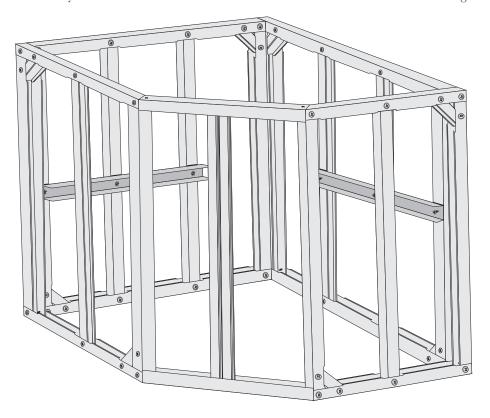






Place the second Catch Track against the 39.25" wall so that the top of the track aligns with the marks made in step 2. Drill the Catch Track into each stud.

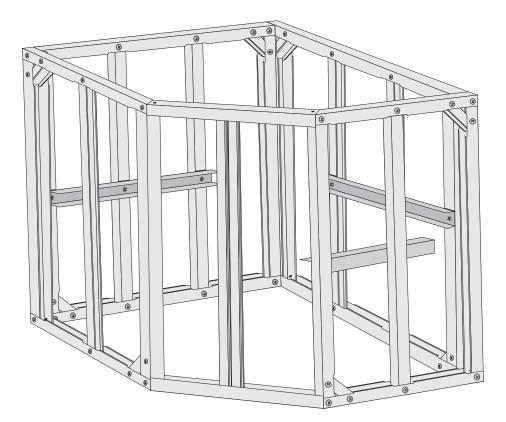
**NOTE:** Set your level on the track to make sure that the Catch Track is level with the ground.





Place the third Catch Track against the right Cross Channel wall so that the top of the track aligns with the marks made in step 2. Drill the Catch Track into each stud.

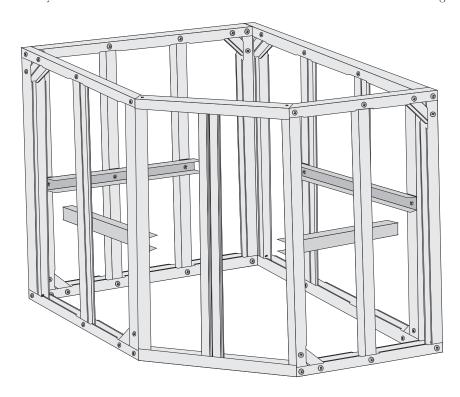
**NOTE:** Set your level on the track to make sure that the Catch Track is level with the ground.





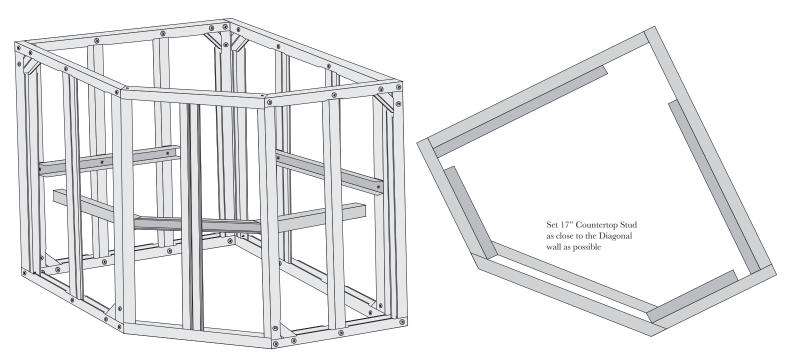
Place the fourth Catch Track against the left Cross Channel wall so that the top of the track aligns with the marks made in step 2. Drill the Catch Track into each stud.

**NOTE:** Set your level on the track to make sure that the Catch Track is level with the ground.



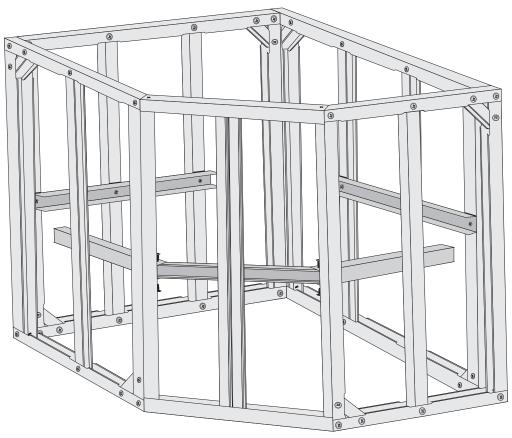


Slide the 17" Countertop Stud into the Catch Tracks that run along the Cross Channel walls. Slide it as close to the front diagonal wall as you can. (See above view on the right)



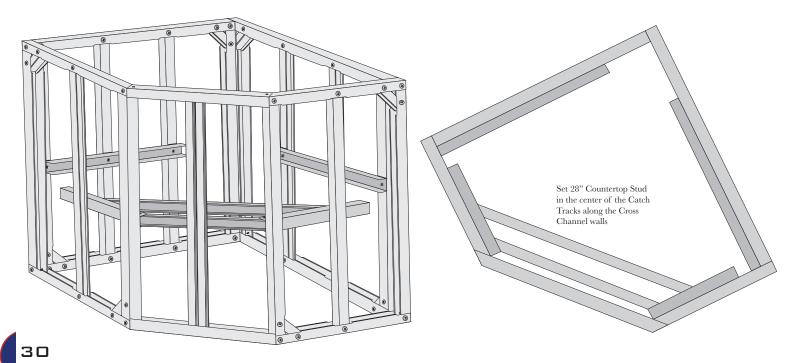


Attach the 17" Countertop Stud to the Catch Tracks with two (2) screws on the top and bottom of each side of the Countertop Stud. (Total of four (4) screws)



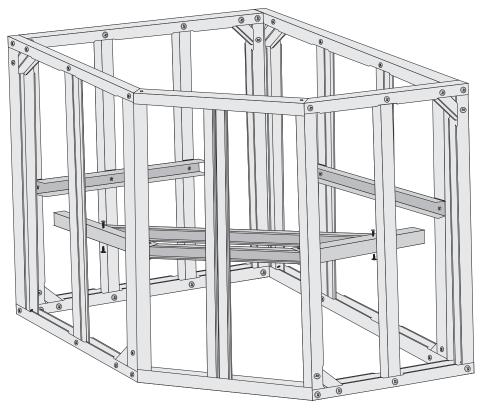


Slide the 28" Countertop Stud into the Catch Tracks that run along the Cross Channel Walls. Center it within the Catch Tracks. (See above view on the right)



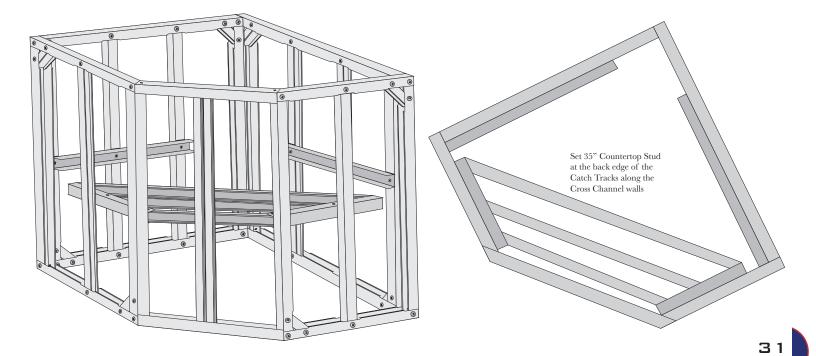


Attach the 28" Countertop Stud to the Catch Tracks with two (2) screws on the top and bottom of each side of the Countertop Stud. (Total of four (4) screws)



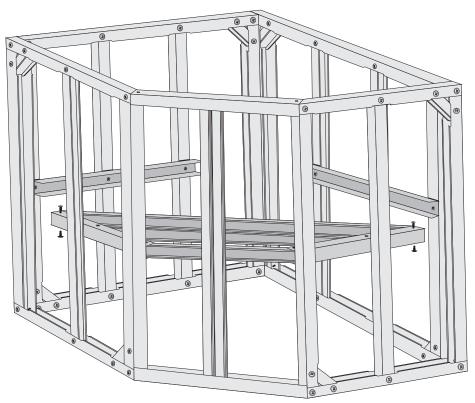


Slide the 35" Countertop Stud into the Catch Tracks that run along the Cross Channel walls. Align it with the back end of the Catch Tracks. (See above view on the right)



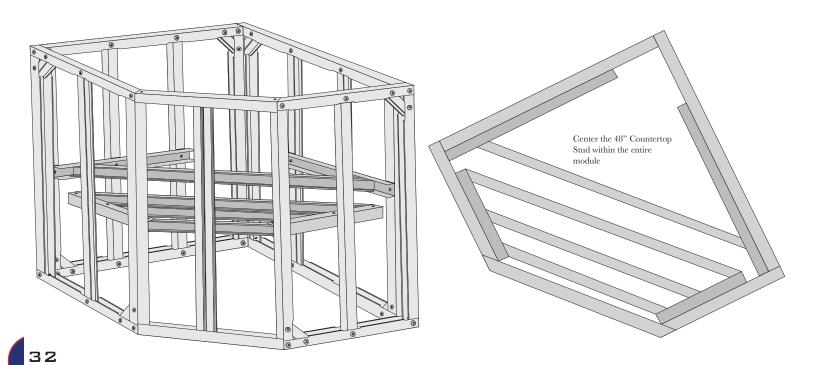


Attach the 36" Countertop Stud to the Catch Tracks with two (2) screws on the top and bottom of each side of the Countertop Stud. (Total of four (4) screws)



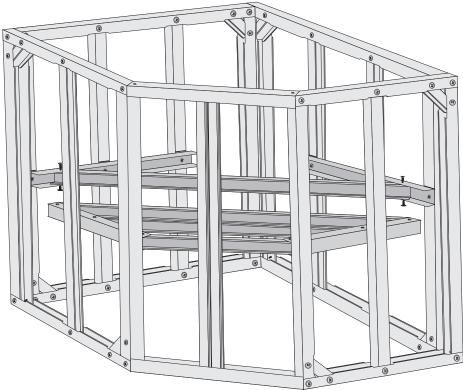


Slide the 48" Countertop Stud into the Catch Tracks that run along the Perimeter Walls. Center it within the entire Diagonal Corner Module. (See above view on the right)



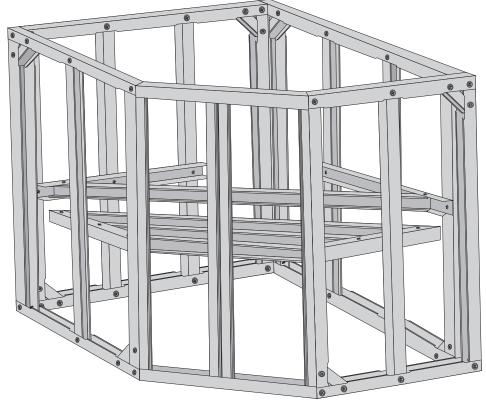


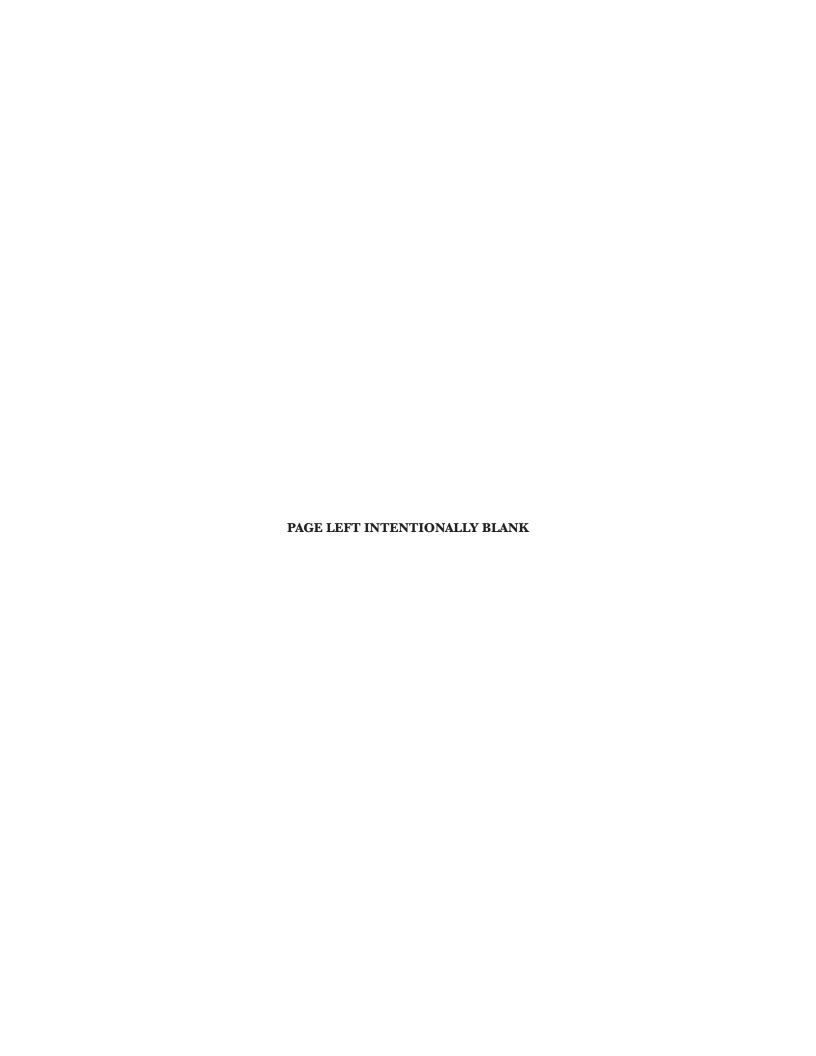
Attach the 48" Countertop Stud to the Catch Tracks with two (2) screws on the top and bottom of each side of the Countertop Stud. (Total of four (4) screws)



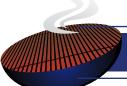


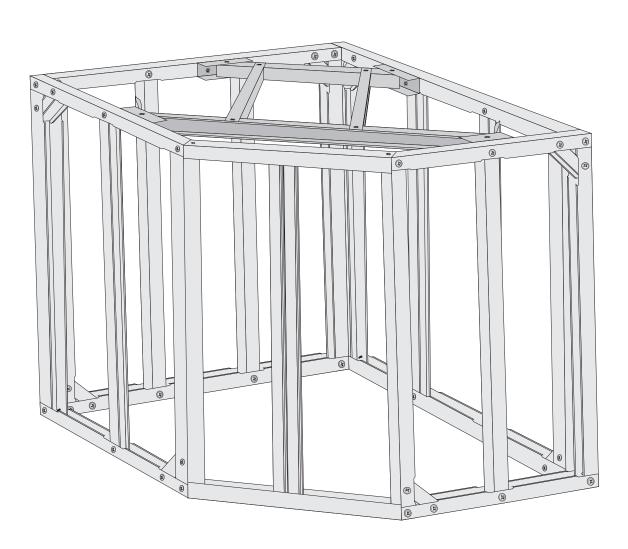
You Should now have a complete Diagonal Corner Egg Kit.



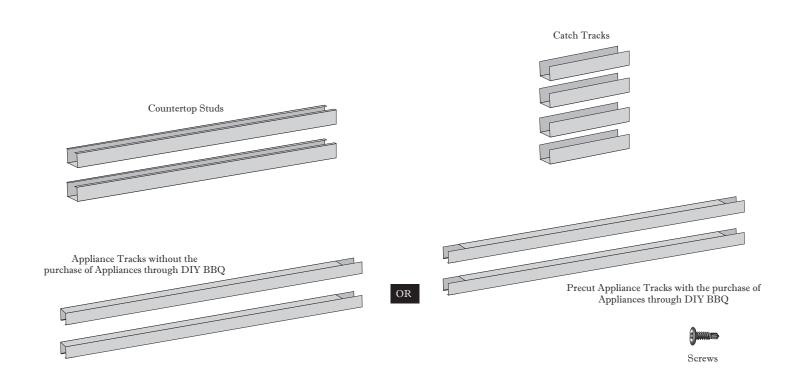








# What's in the box

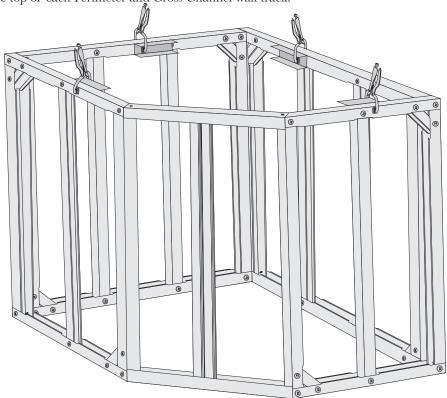


### CHECK LIST

- 4 Catch Tracks
- 2 Countertop Studs
- 2 Appliance Tracks (Please note: If the appliance was purchased through DIY BBQ, these tracks will be cut to size and ready to be placed; if the appliance was not purchased through DIY BBQ, the Appliance Track will need to be cut and adjusted to fit the corresponding appliance. See page 42 for instructions on properly cutting your Appliance Tracks.)
- 28 Self-Tapping Screws

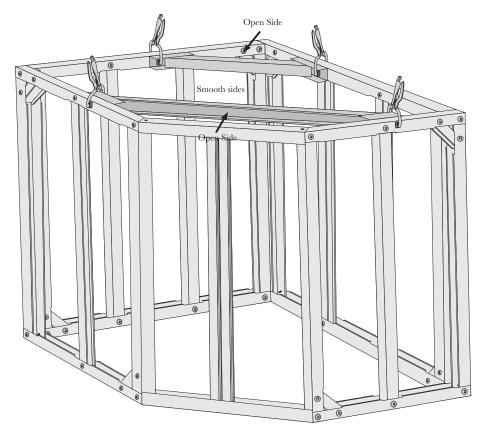


Attach one Catch Track to each of the four main walls with a clasp. Make sure the top of each Catch Track is flush with the top of each Perimeter and Cross Channel wall track.





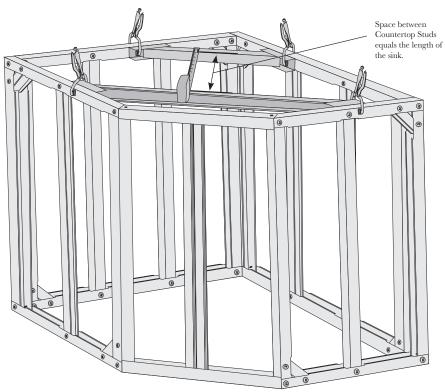
Set the short Countertop Stud within the Catch Tracks along the 36.5" and 39.25" walls with the smooth side facing inward, toward the appliance. Set the long Countertop stud within the Catch Tracks along the Cross Channel walls with the smooth side facing inward, toward the appliance.





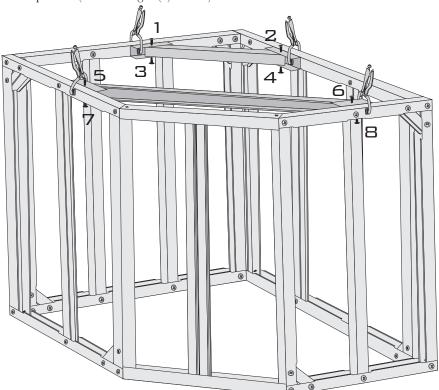
Measure the distance of the Countertop Studs to make sure it matches the length of the sink that will be placed within this area. If the size is incorrect, slide the Countertop Studs back and forth along the Catch Tracks until the size between the Countertop Studs matches the length of the sink. (Depending on how far back you would like the sink placed, you may need to adjust where the Catch Tracks are placed on the walls.)

**Note:** Add an eighth or a quarter of an inch to the size of your appliance to make sure the appliance slides in easily.



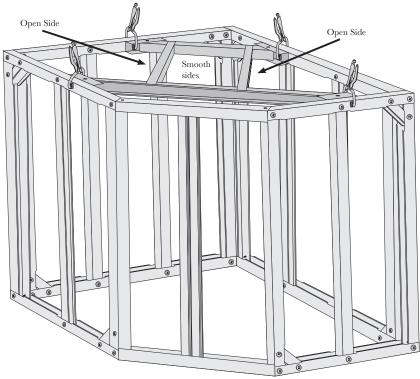


Attach the Countertop Studs to the Catch Tracks with two (2) screws on the top and bottom of each side of each Countertop Stud. (Total of eight (8) screws)





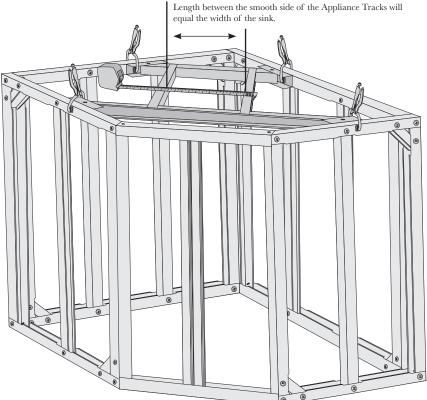
Place the Appliance Tracks in-between the Countertop Studs with the smooth side placed inward toward the sink. **Note:** If the Appliance Tracks are too long, and/or has only one precut edge, please see page 42 for instructions on how to properly cut and adjust the Appliance Track(s).





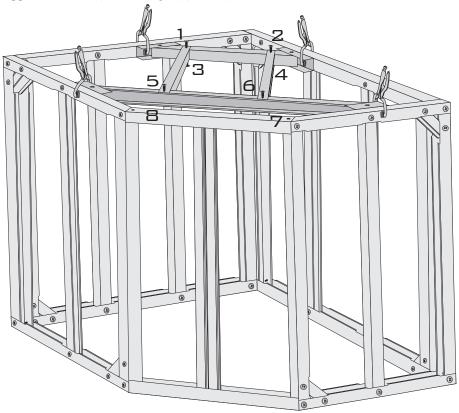
Measure the distance of the Appliance Tracks to make sure it matches the width of the sink that will be placed within this area. If the size is incorrect, slide the Appliance Tracks left or right along the Countertop Studs until the size between the Appliance Tracks matches the width of the sink.

**Note:** Add an eighth or a quarter of an inch to the size of your appliance to make sure the appliance slides in easily.



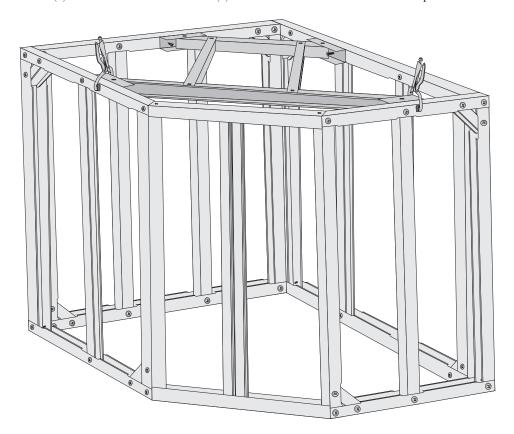


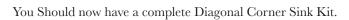
Attach the Appliance Tracks to the Countertop Studs with two (2) screws on the top and bottom of each side of each Appliance Track. (Total of eight (8) screws)



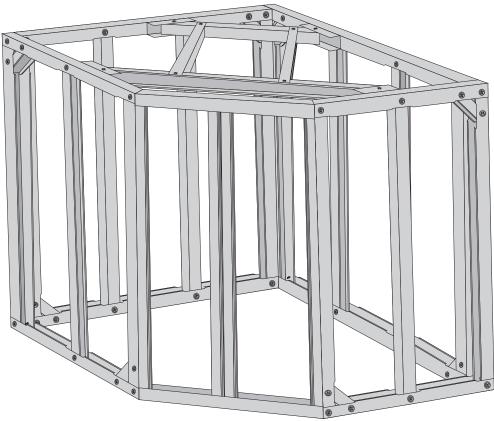


Drill one (1) screw into each of the four (4) Catch Tracks and remove the Clamps.

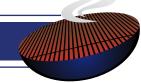








## MEASURING & CUTTING APPLIANCE TRACKS

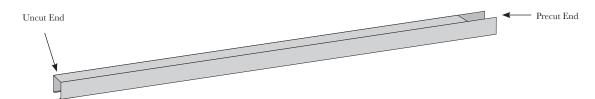


If you did not purchase your appliance(s) from DIY BBQ, you will need to cut and adjust your Appliance Tracks manually. The following instructions will guide you through measuring and cutting your Appliance Tracks.

edge and make a mark. Then, skip to step 5.



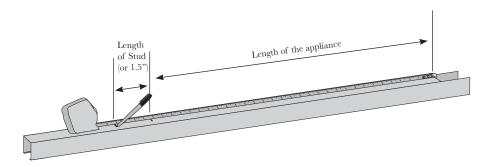
All Appliance Tracks will have a precut section on one side of the Appliance Track as shown below.





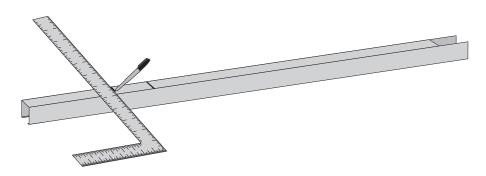
Measure the length of the Appliance Track from the edge of the inner cut of the precut edge, and mark the Appliance Track in two places: 1) The length of the appliance; and 2) 1.5" past the length of the appliance.

Note: If your Appliance Track is already at the correct size for your appliance, measure 1.5" in from the uncut





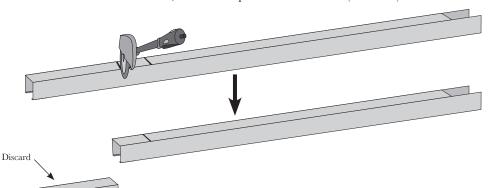
Use the carpenter square to draw a straight line across the entirety of the top of the Appliance Track at both marks made in step 2.

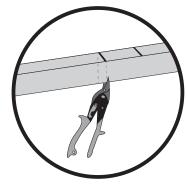




Fully cut the end of the Appliance Track (the mark closest to the uncut edge) and discard the excess piece. **Do not** cut at the first mark. This mark will be used as a measurement in the next step.

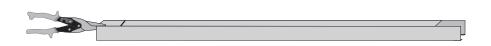
**Note:** It is much easier to cut the track with a cutoff wheel, however, if you are not comfortable with using the cutoff wheel, aviation snips will work as well. (See inset)

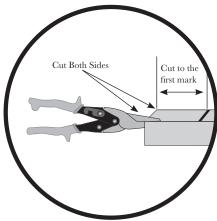






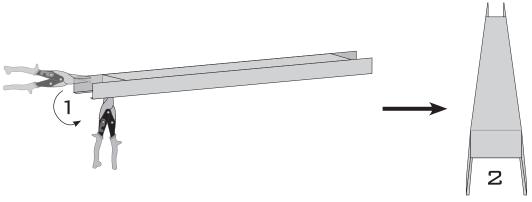
Use your aviation snips to cut along each side of the top edge from the end of the Appliance Track to the first mark. **Note:** If you did not have to cut your Appliance Track to fit (or were able to skip steps 3 and 4), make sure you've measured 1.5" in from the uncut end to denote the length to which you should cut.







Use your aviation snips to pinch the center of the edge of the Appliance Track (between the cuts made in Step 5) and bend the center piece downward.







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