

## 12' x 15' x 7' Backyard Building with Optional Center Girts and Floor Kit Instructions

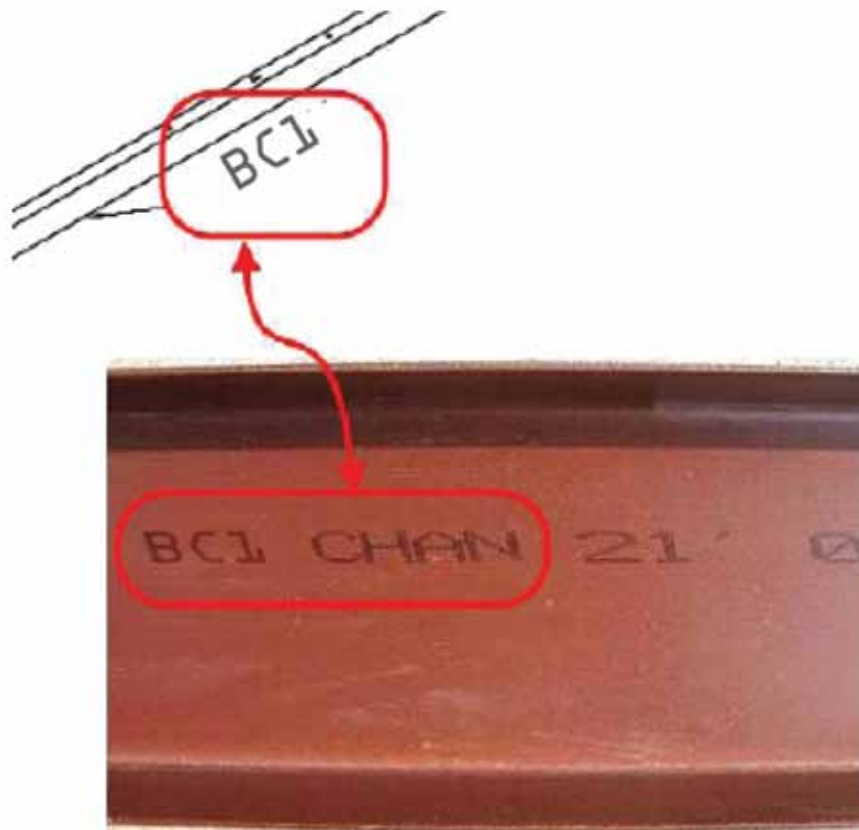
Mueller Backyard Building Kits are not engineered structures and do not meet any specific building code criteria.  
For video installation instructions, visit our website at [www.muellerinc.com/downloads-home/videos-home](http://www.muellerinc.com/downloads-home/videos-home)

**877-2- MUELLER • [www.muellerinc.com](http://www.muellerinc.com)**



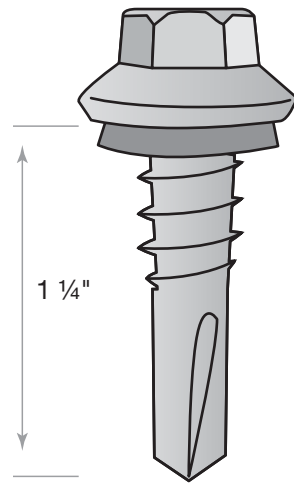
## PARTS LIST

Refer to the parts list on the itemized invoice delivered with your building. All parts are stenciled on the inside of the channel, purlin, girts and rafters. Example of this below:

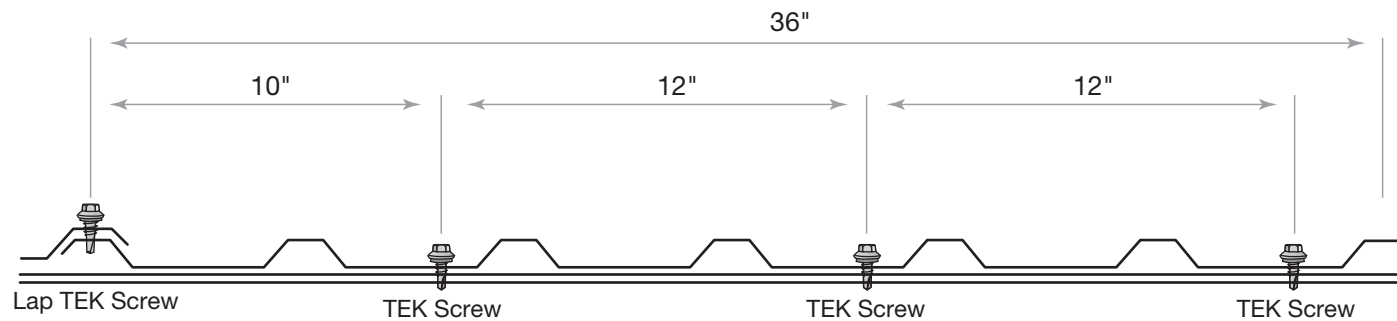
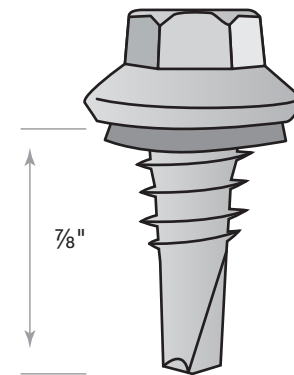


## TYPES OF SCREWS

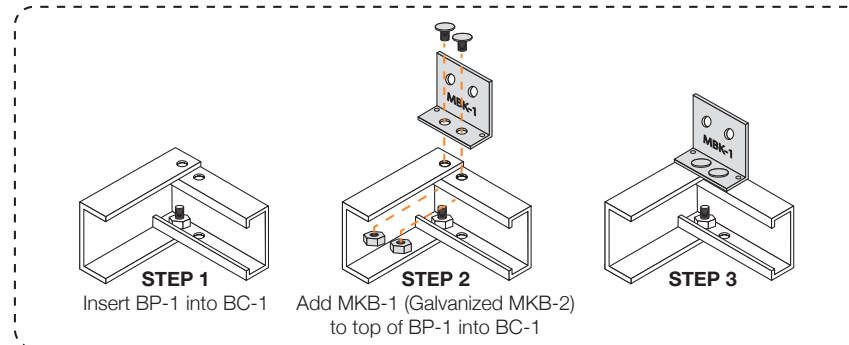
TEK Screw  
For attaching sheet metal to purlin



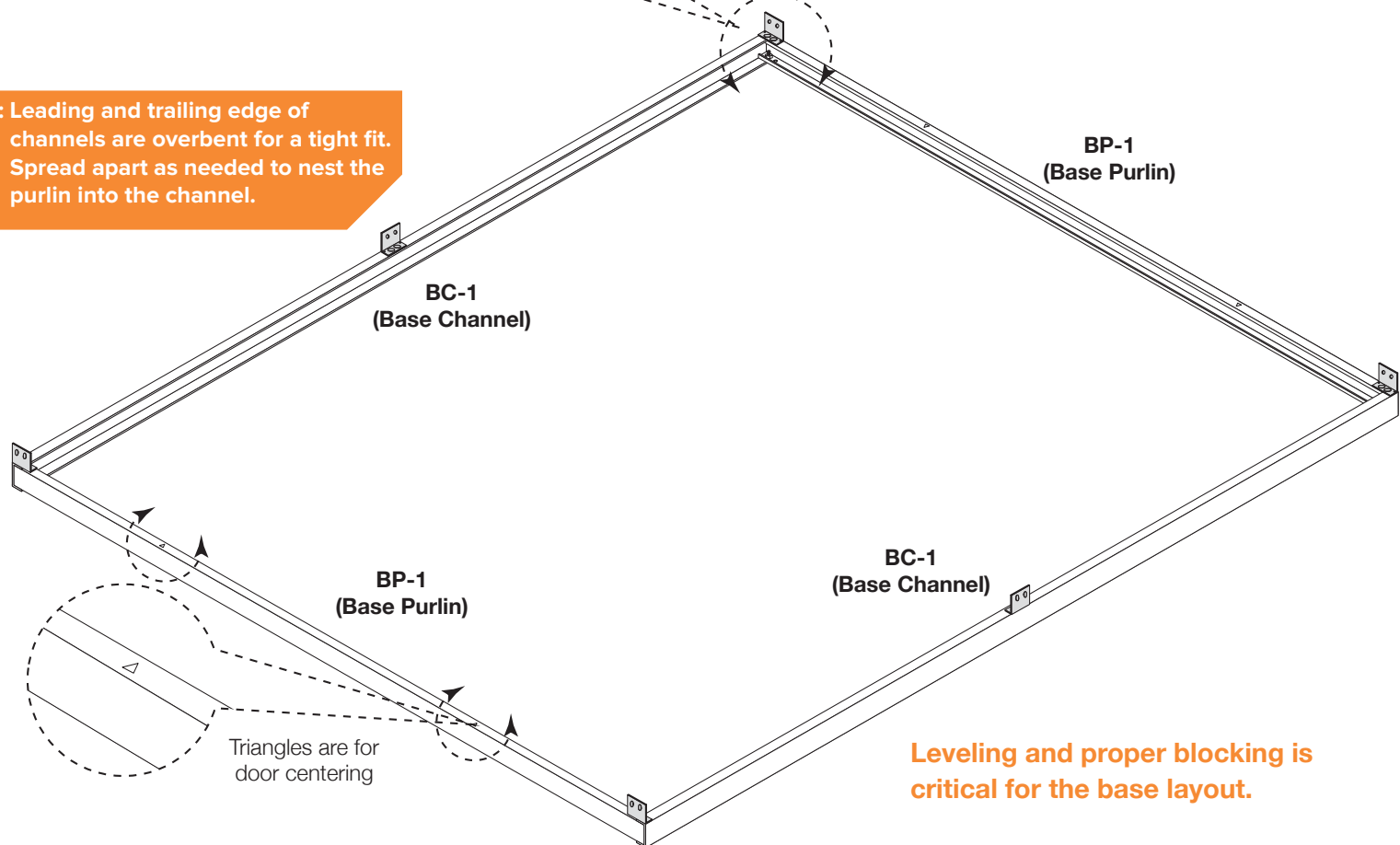
Lap TEK Screw  
For attaching sheet metal to sheet metal



**NOTE:** Make sure to use TEK screws to attach sheets to purlins, lap TEK screws to attach sheets to sheets.

**BASE LAYOUT (BC-1 AND BP-1)**

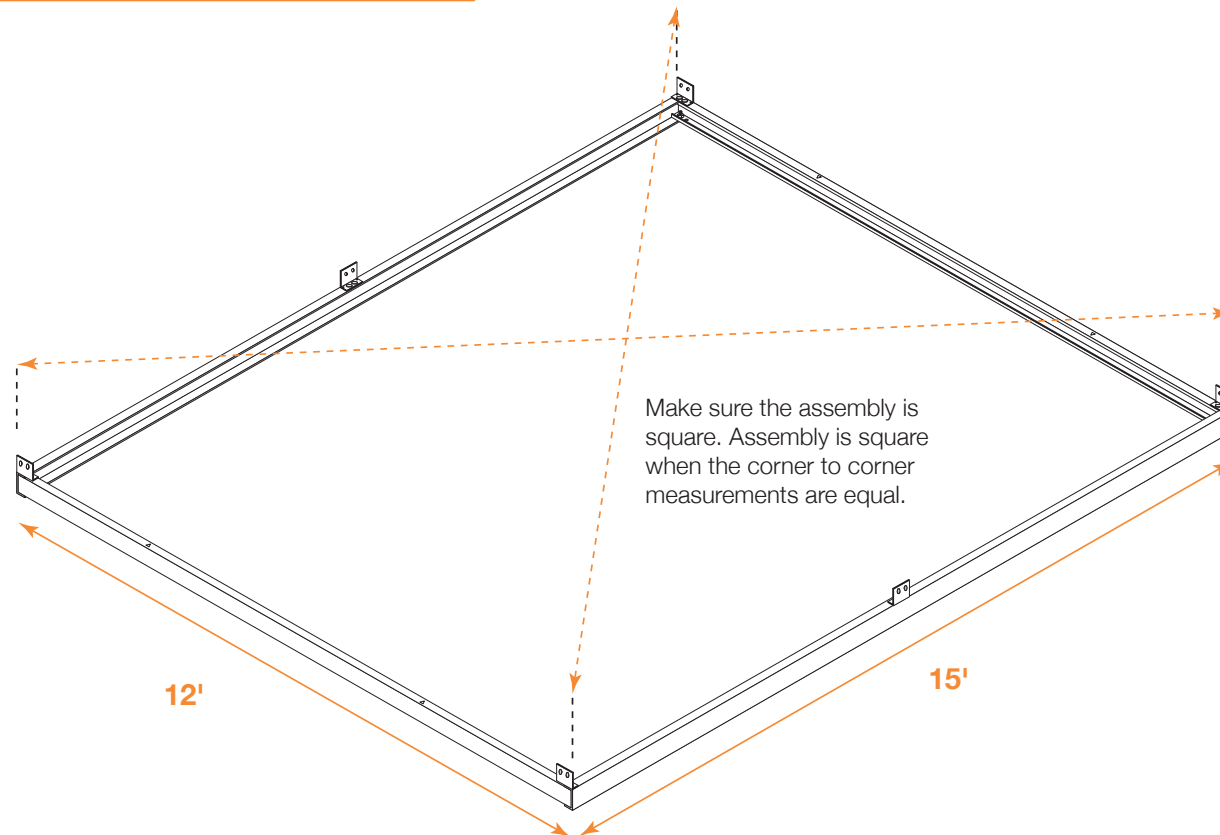
**NOTE:** Leading and trailing edge of channels are overbent for a tight fit. Spread apart as needed to nest the purlin into the channel.



**Leveling and proper blocking is critical for the base layout.**

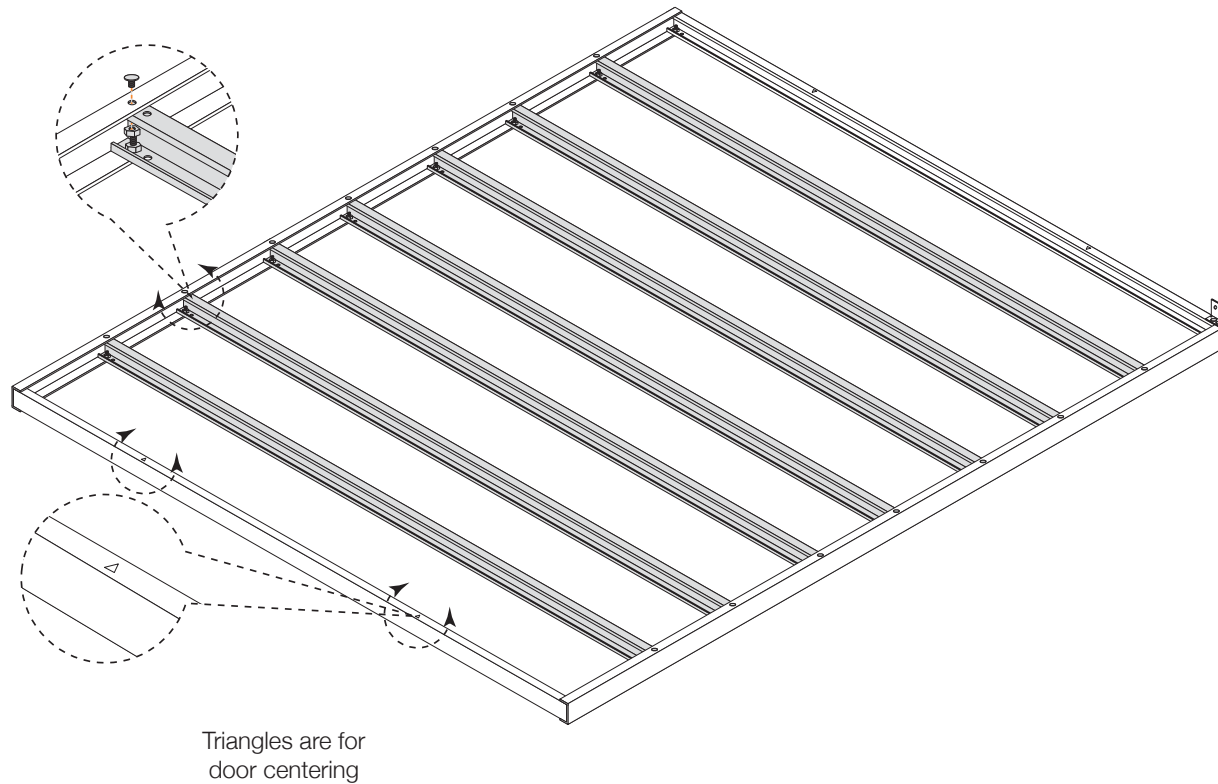
## MAKE SURE THE ASSEMBLY IS SQUARE

**NOTE:** Mueller recommends the building be placed on leveling blocks (not included) to support the base channel and purlins. Mueller also recommends the building be anchored to the ground or foundation. The method of anchor is at the owner's discretion.

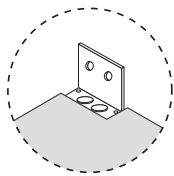


## FLOOR KIT (OPTIONAL)

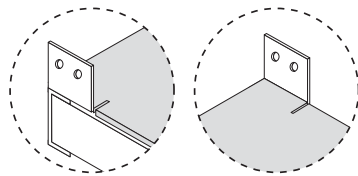
**NOTE:** Mueller recommends the building be placed on leveling blocks (not included) to support the base channel and purlins. Mueller also recommends the building be anchored to the ground or foundation. The method of anchor is at the owner's discretion.



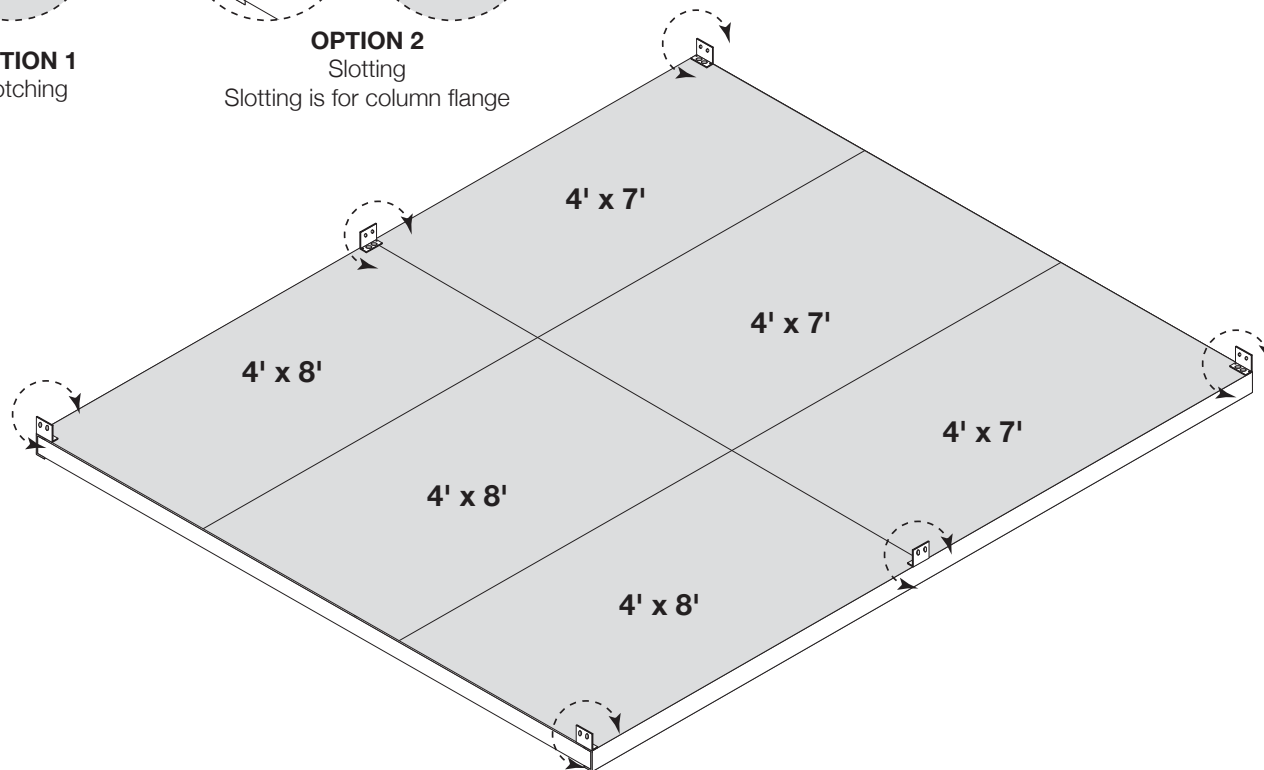
## FLOOR KIT (OPTIONAL)



**OPTION 1**  
Notching



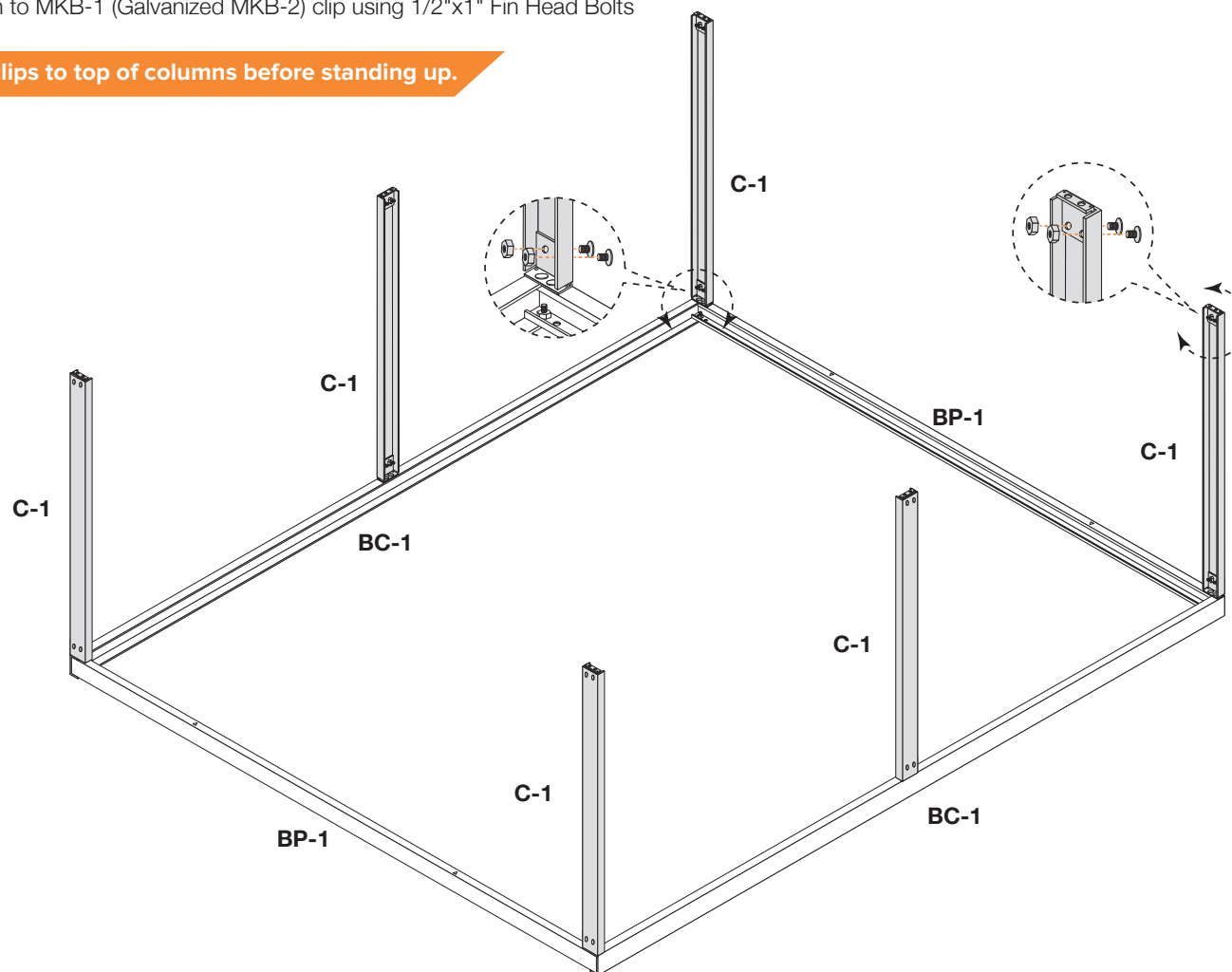
**OPTION 2**  
Slotting  
Slotting is for column flange



## ERECTING COLUMNS (C-1)

Attach column to MKB-1 (Galvanized MKB-2) clip using 1/2"x1" Fin Head Bolts

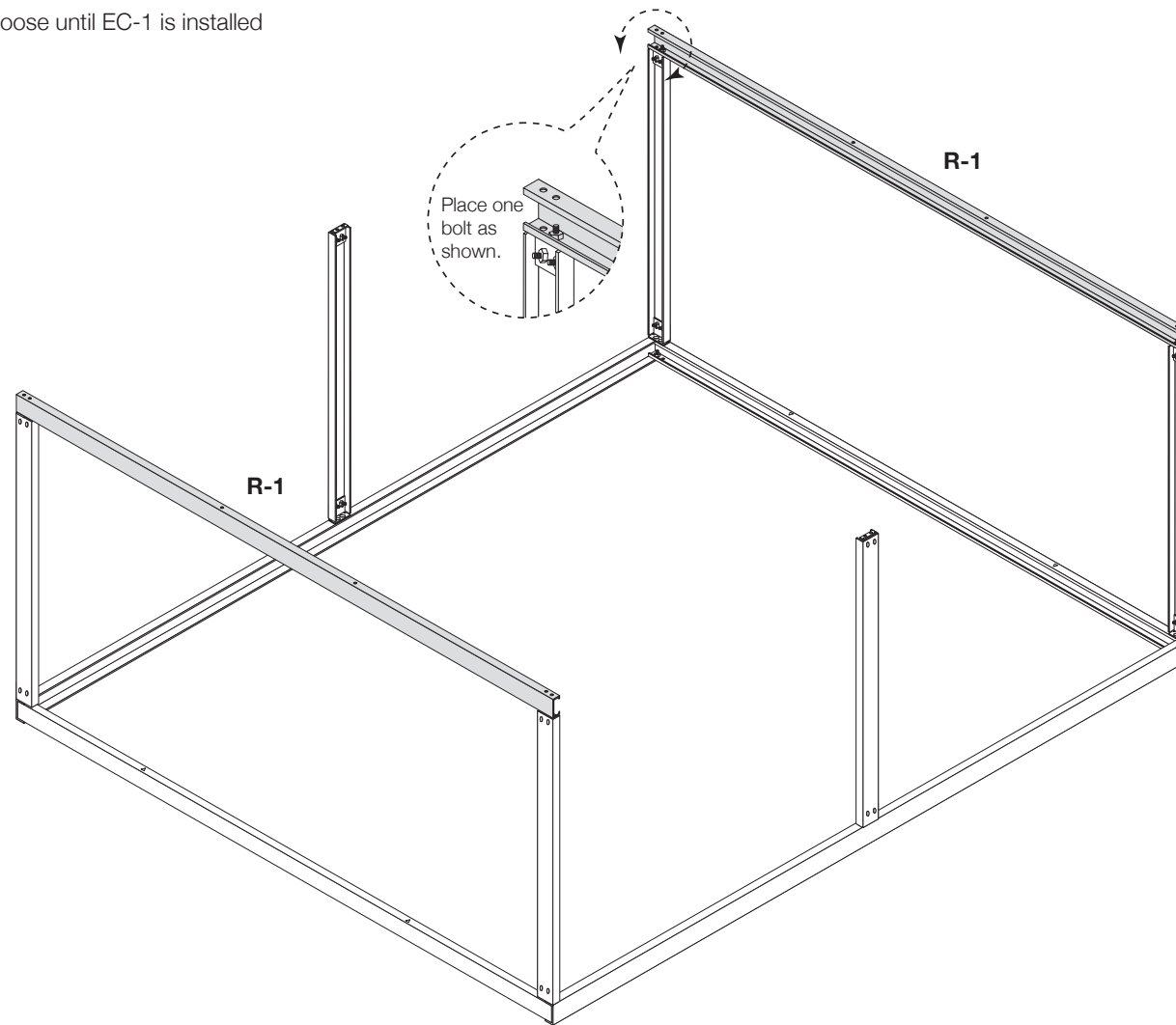
**HINT:** Add clips to top of columns before standing up.





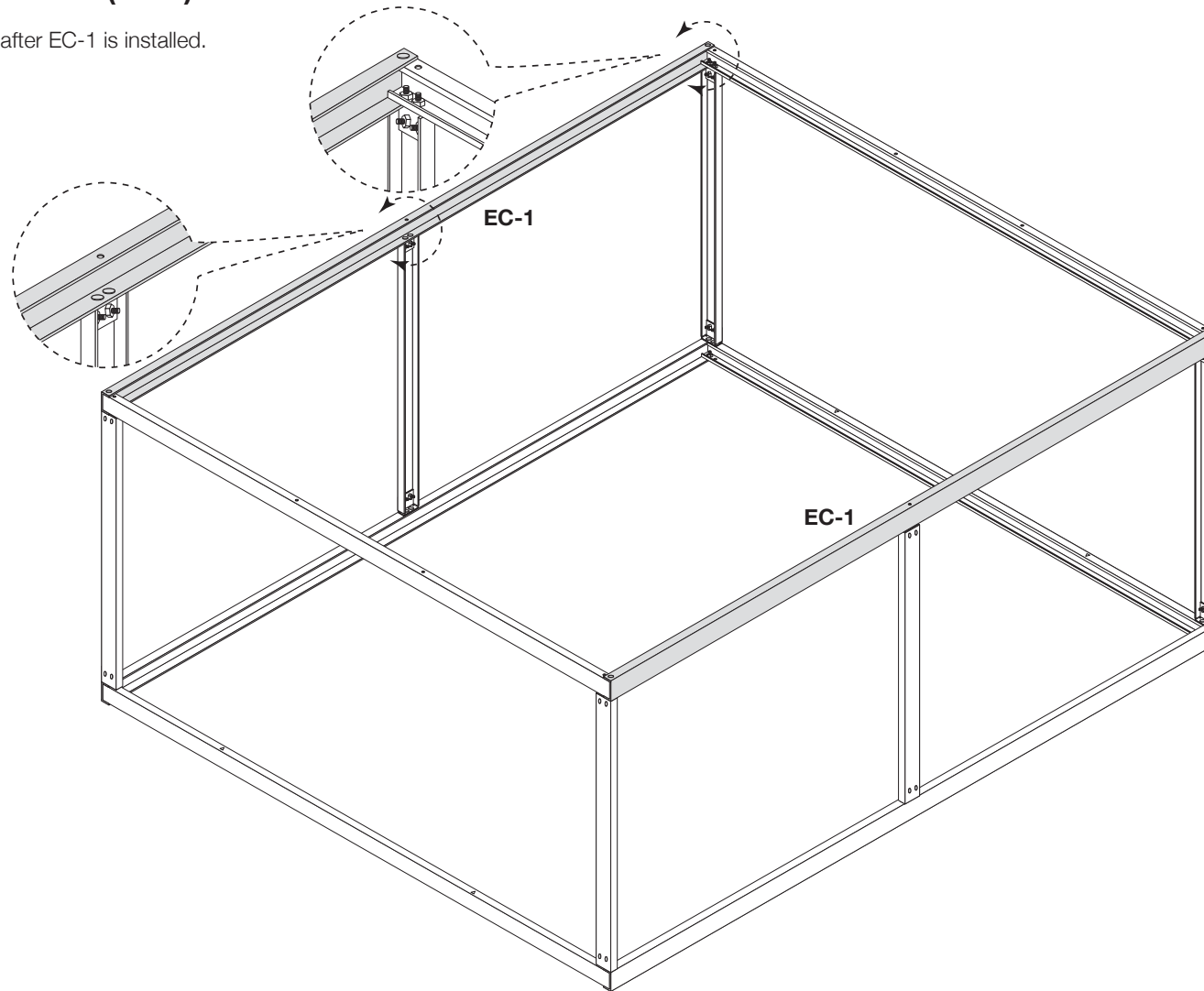
## RAFTERS (R-1)

Bolts should remain loose until EC-1 is installed

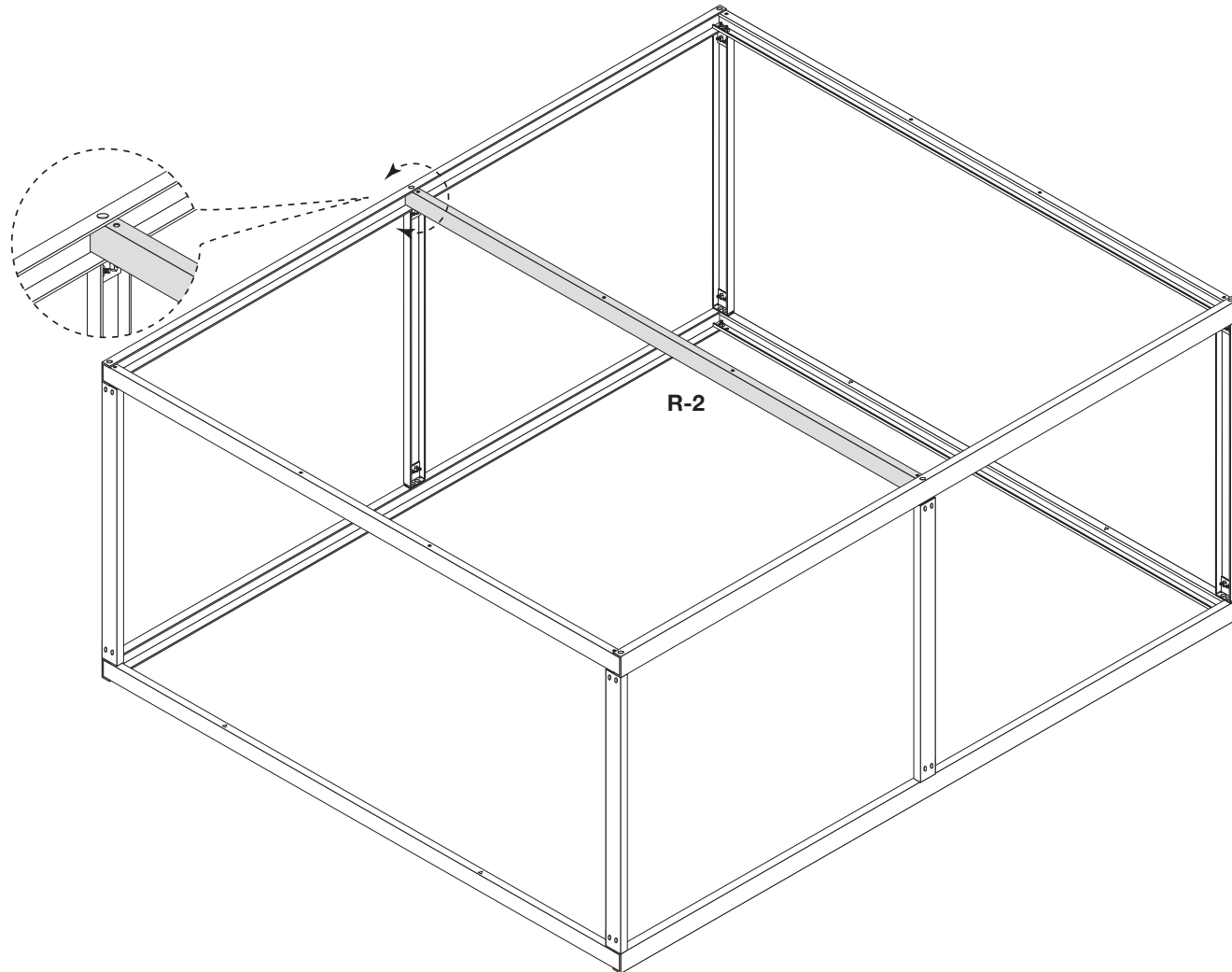


### EAVE CHANNEL (EC-1)

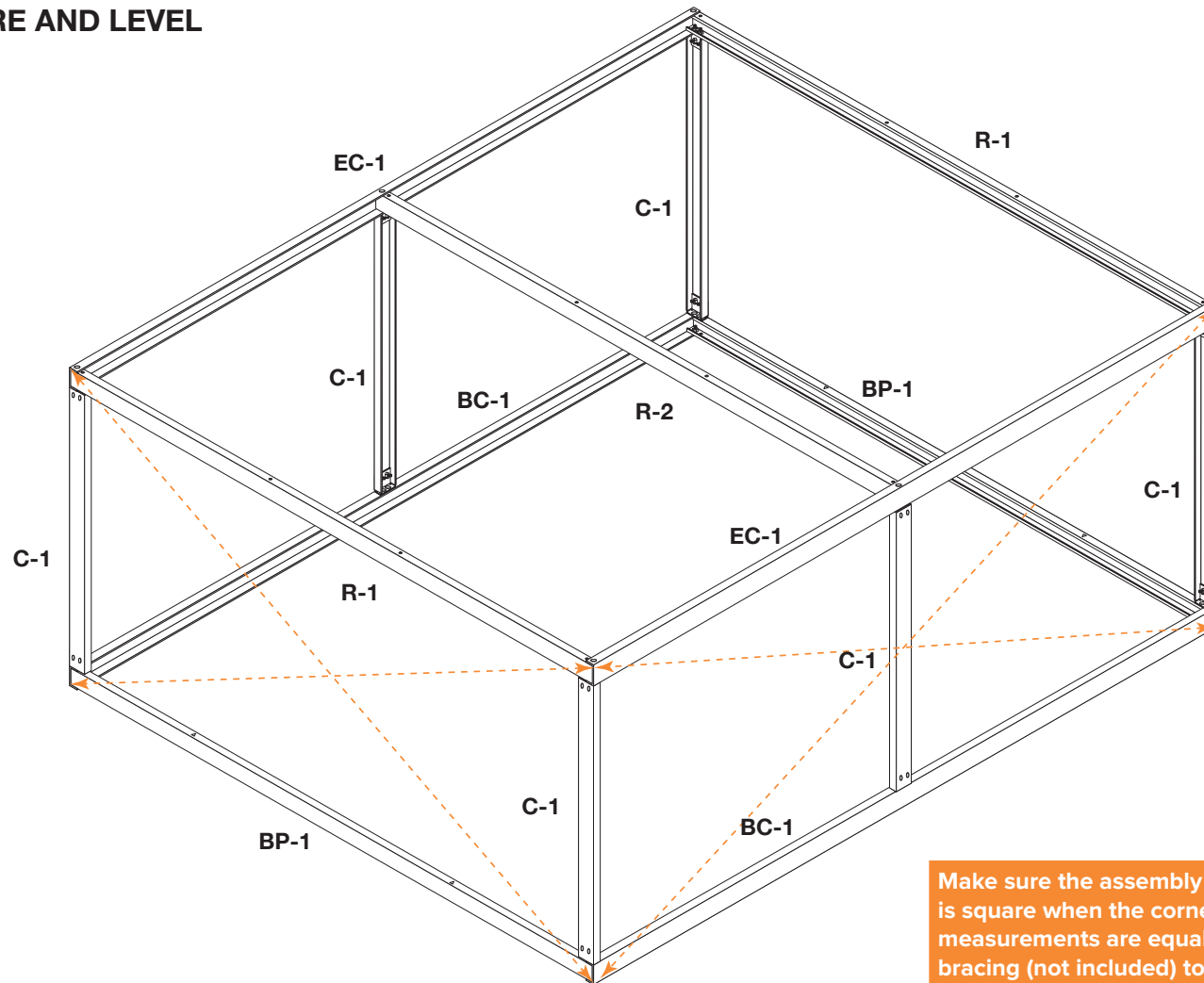
Tighten bolts after EC-1 is installed.



## RAFTERS (R-2)



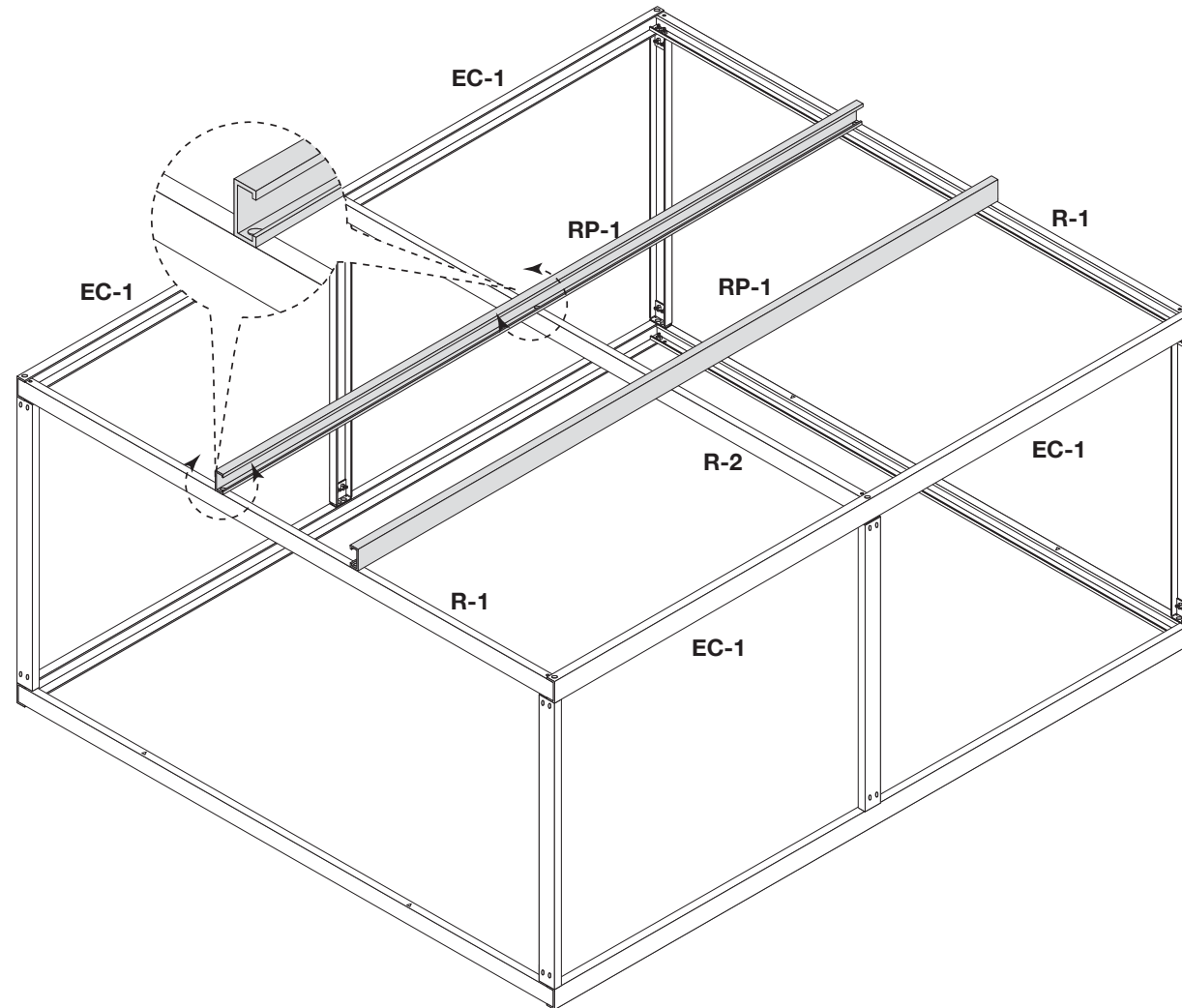
**MAKE SURE THE ASSEMBLY  
IS SQUARE AND LEVEL**



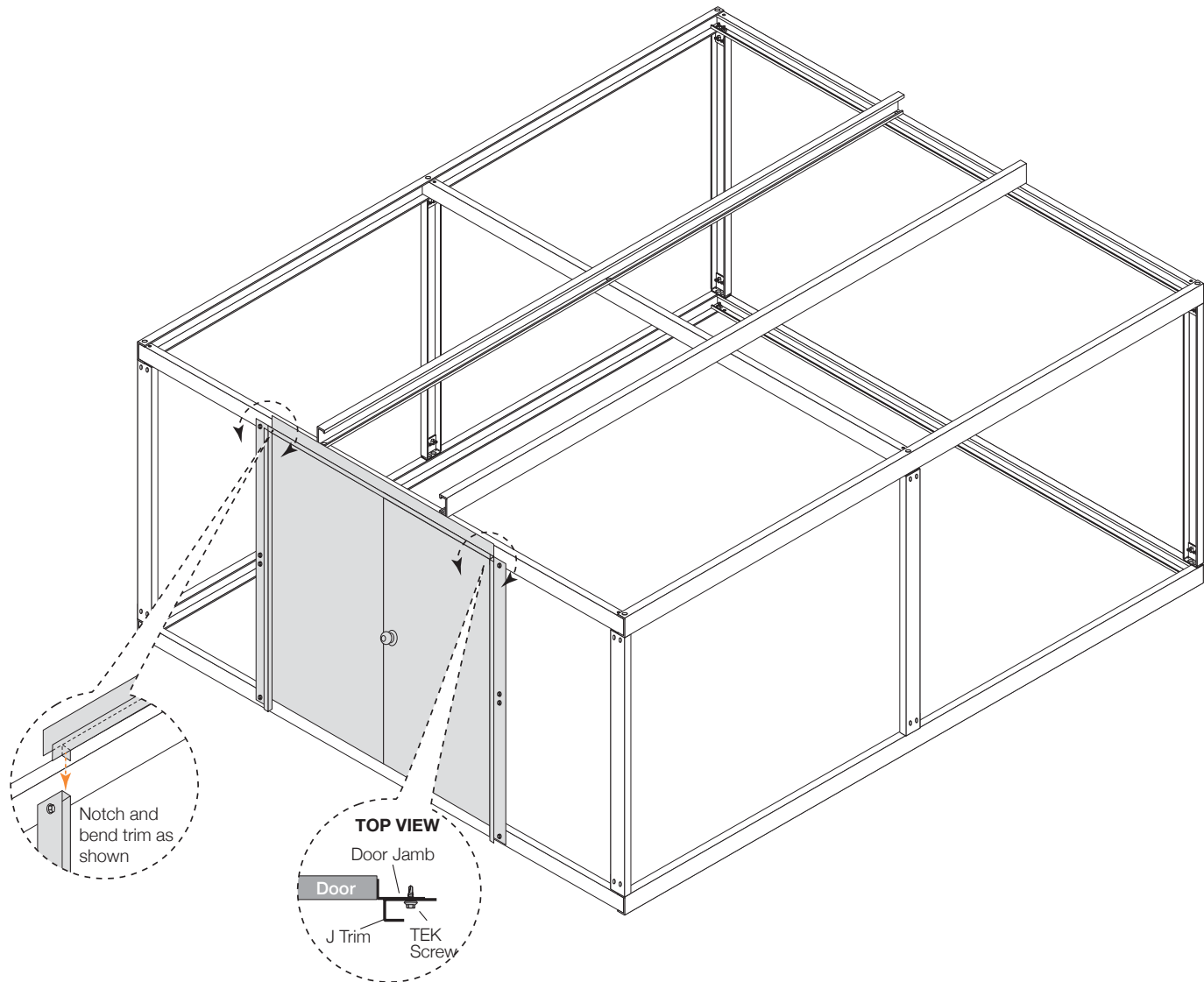
Make sure the assembly is square. Assembly is square when the corner to corner measurements are equal. Use temporary bracing (not included) to hold assembly square if required.

## ROOF PURLIN

Open side of RP-1 faces to center of building

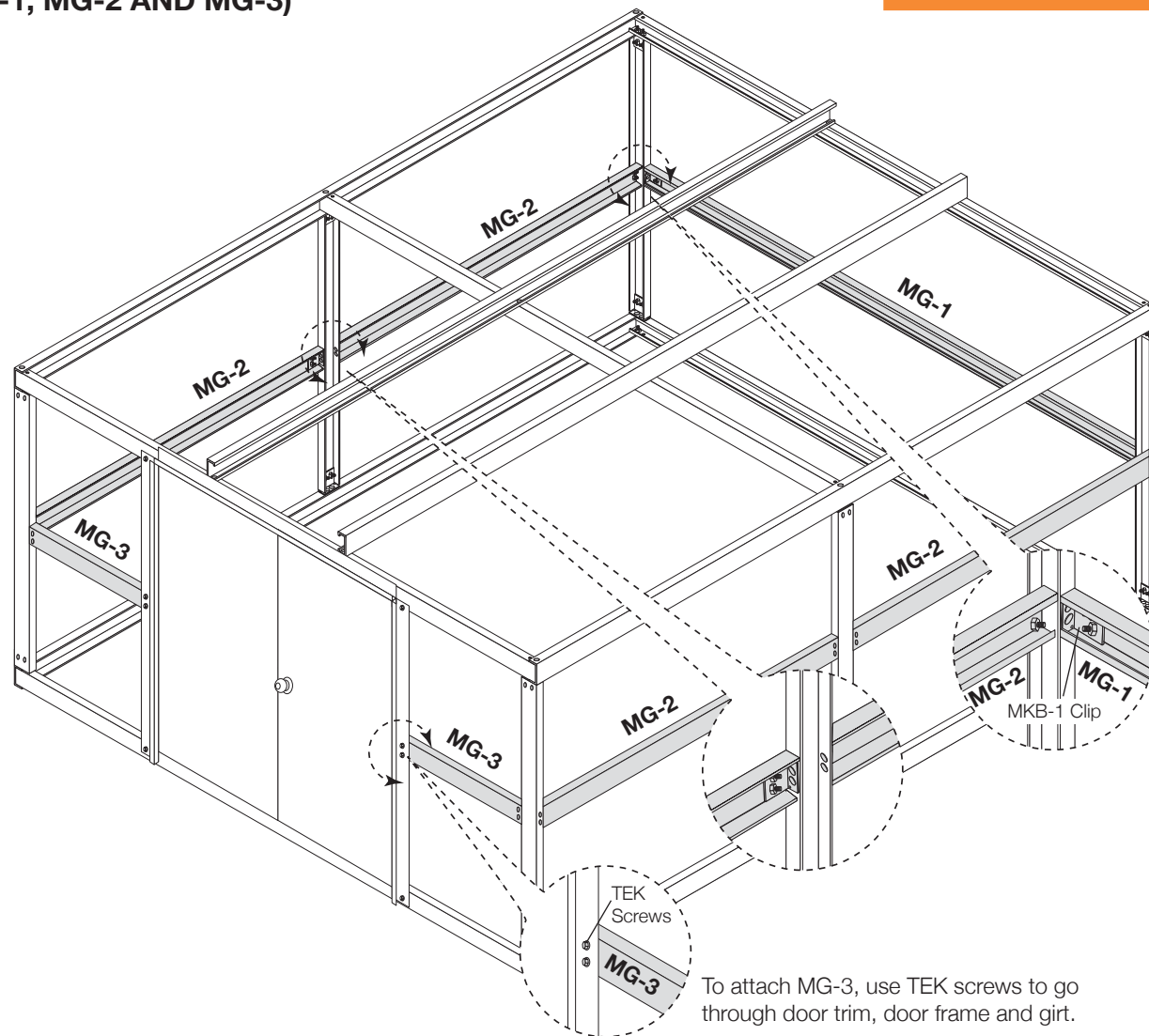


## DOOR AND DOOR TRIM



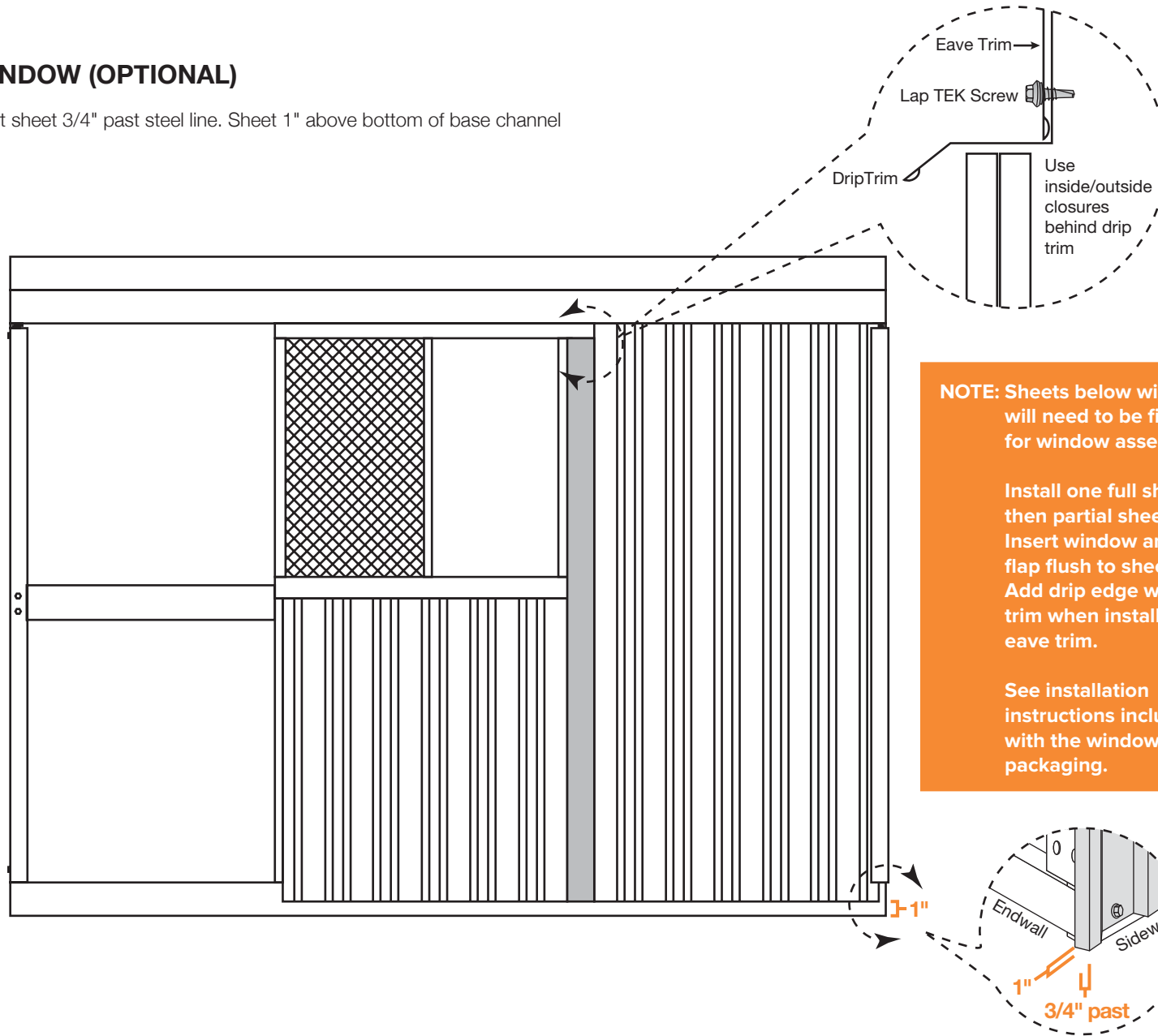
## MID-GIRTS (OPTIONAL - MG-1, MG-2 AND MG-3)

**NOTE:** Bolt to inside of column leg



## WINDOW (OPTIONAL)

Start sheet 3/4" past steel line. Sheet 1" above bottom of base channel



**NOTE:** Sheets below window will need to be field cut for window assembly.

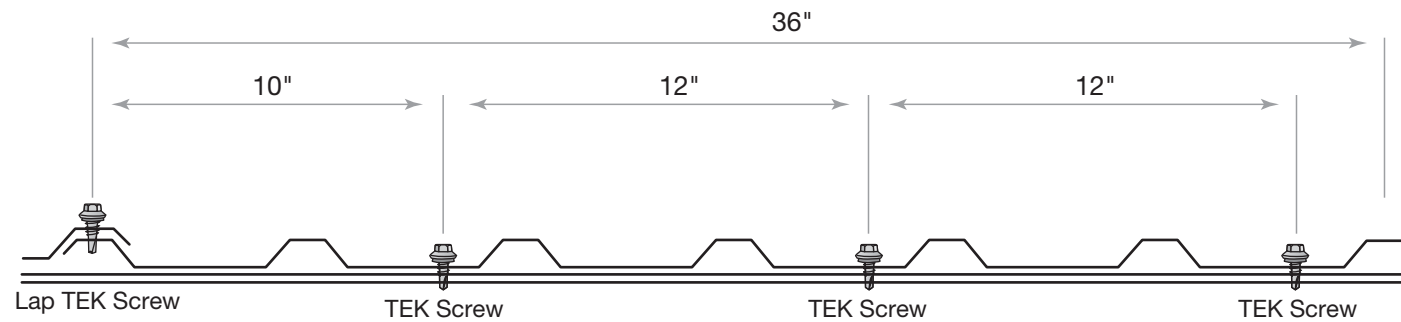
Install one full sheet, then partial sheet. Insert window and flap flush to sheet. Add drip edge window trim when installing eave trim.

See installation instructions included with the window packaging.

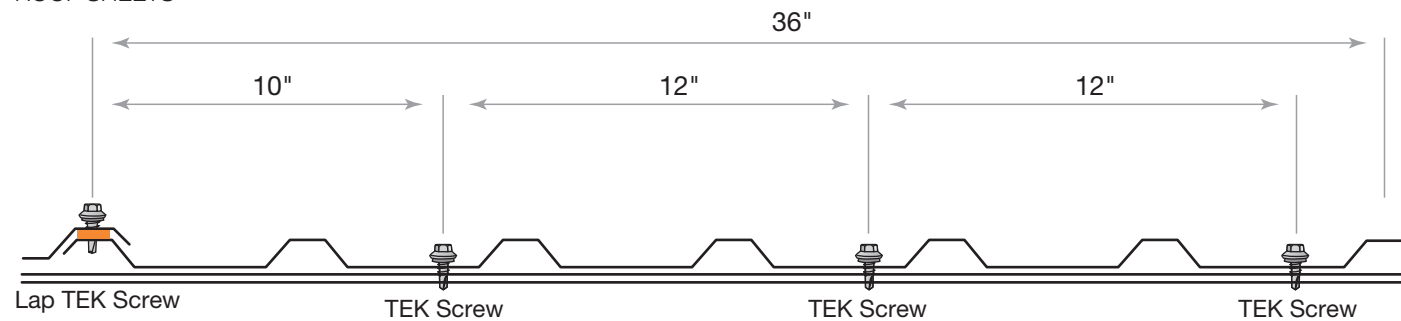


## SHEETING SCREW PLACEMENT

### WALL SHEETS



### ROOF SHEETS

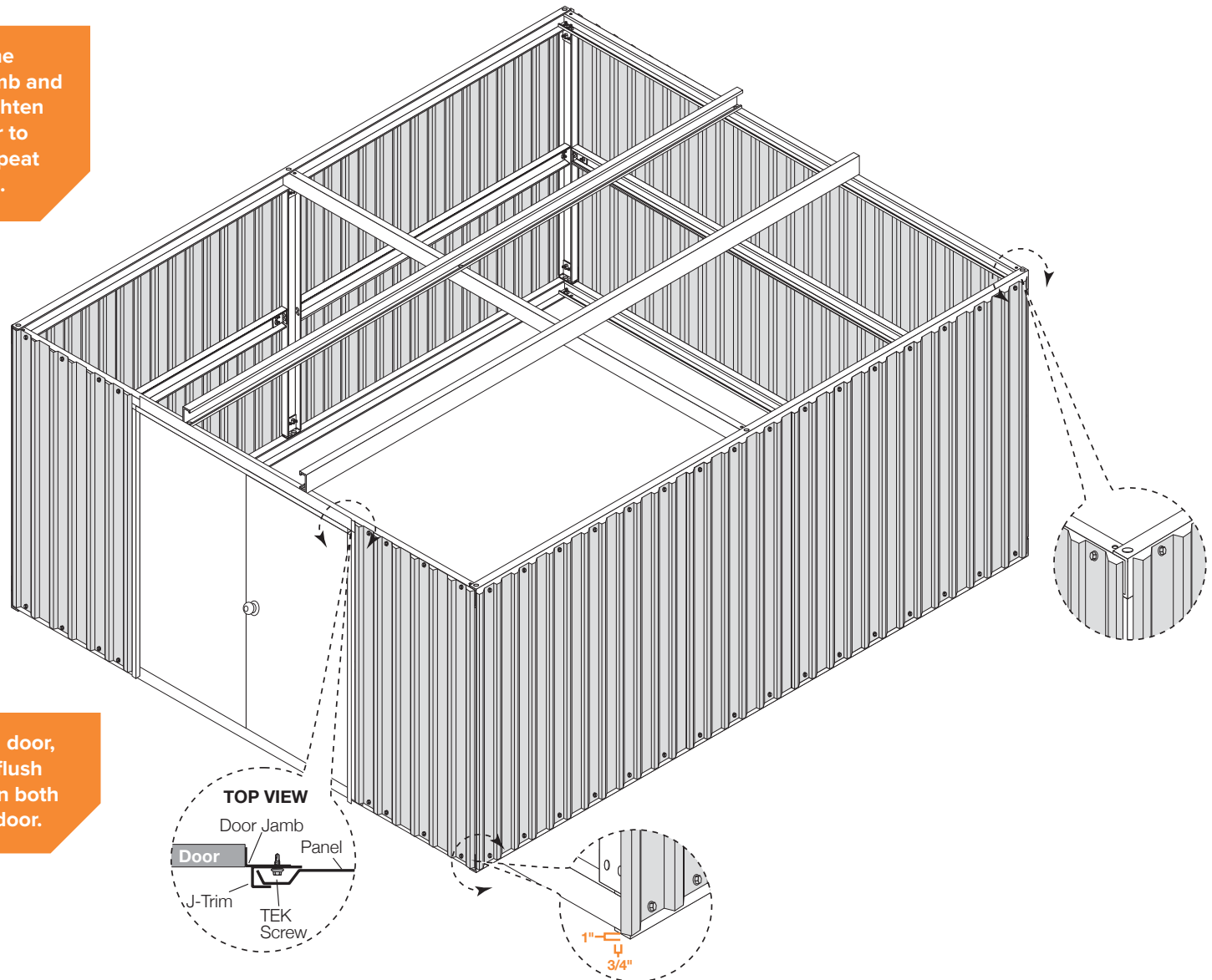


**Place sealer tape between roof sheets only.**

**NOTE:** Make sure to use TEK screws to attach sheets to purlins, lap TEK screws to attach sheets to sheets.

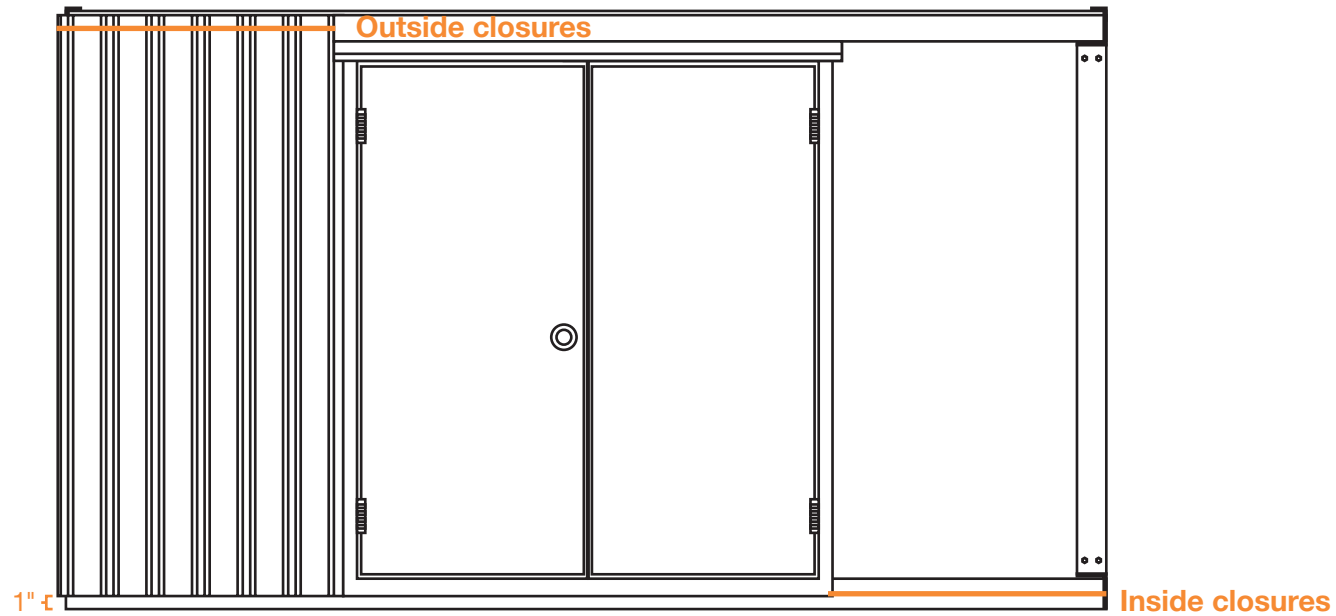
## SHEETING

**NOTE:** Make sure the frame is plumb and level, and tighten all bolts prior to sheeting. Repeat for each wall.

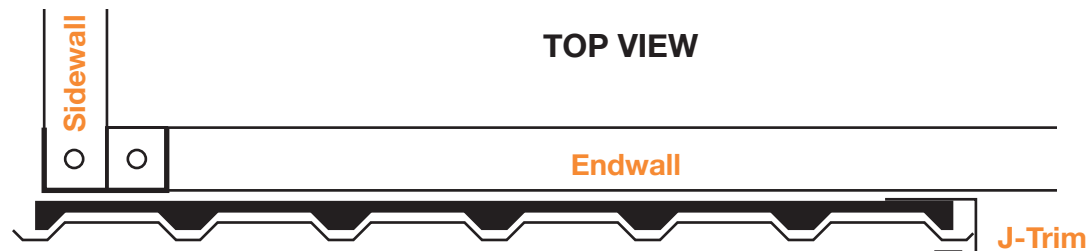


**NOTE:** For side with door, start sheets flush with J-trim on both sides of the door.

## SHEETING ENDWALL WITH OPTIONAL DOUBLE DOOR



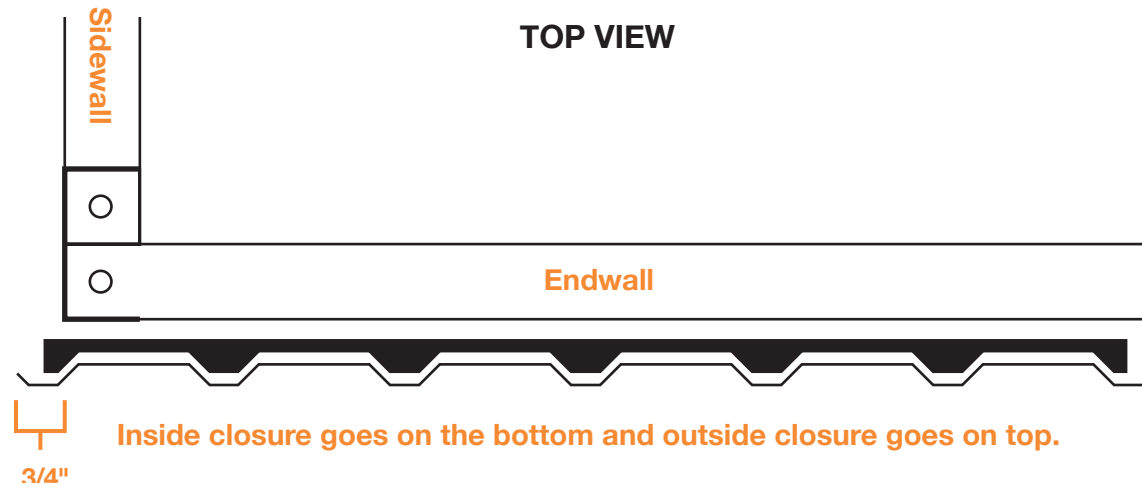
**IMPORTANT:** 1" above the bottom of the base channel



Inside closure goes on the bottom and outside closure goes on top.

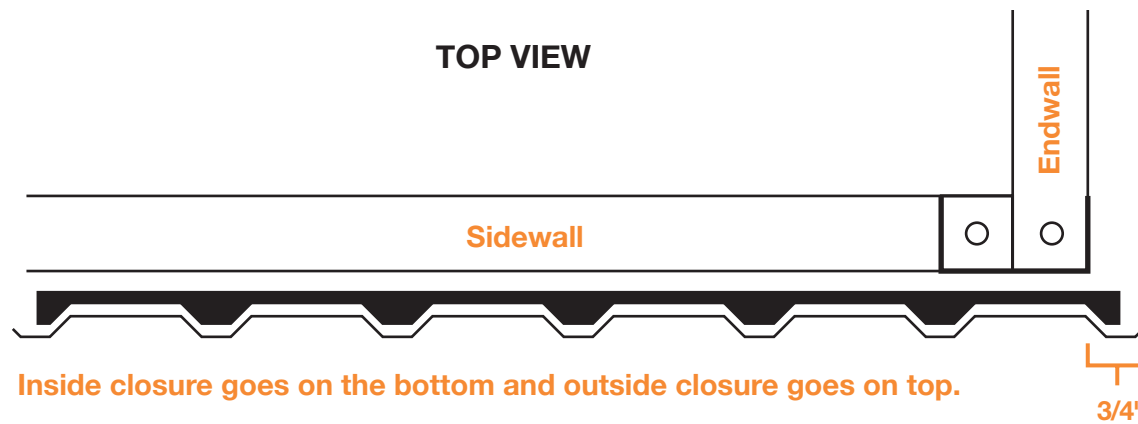
**NOTE:** Start sheets inside of J-Trim 1" above the bottom of the base purlin

## SHEETING SIDEWALL



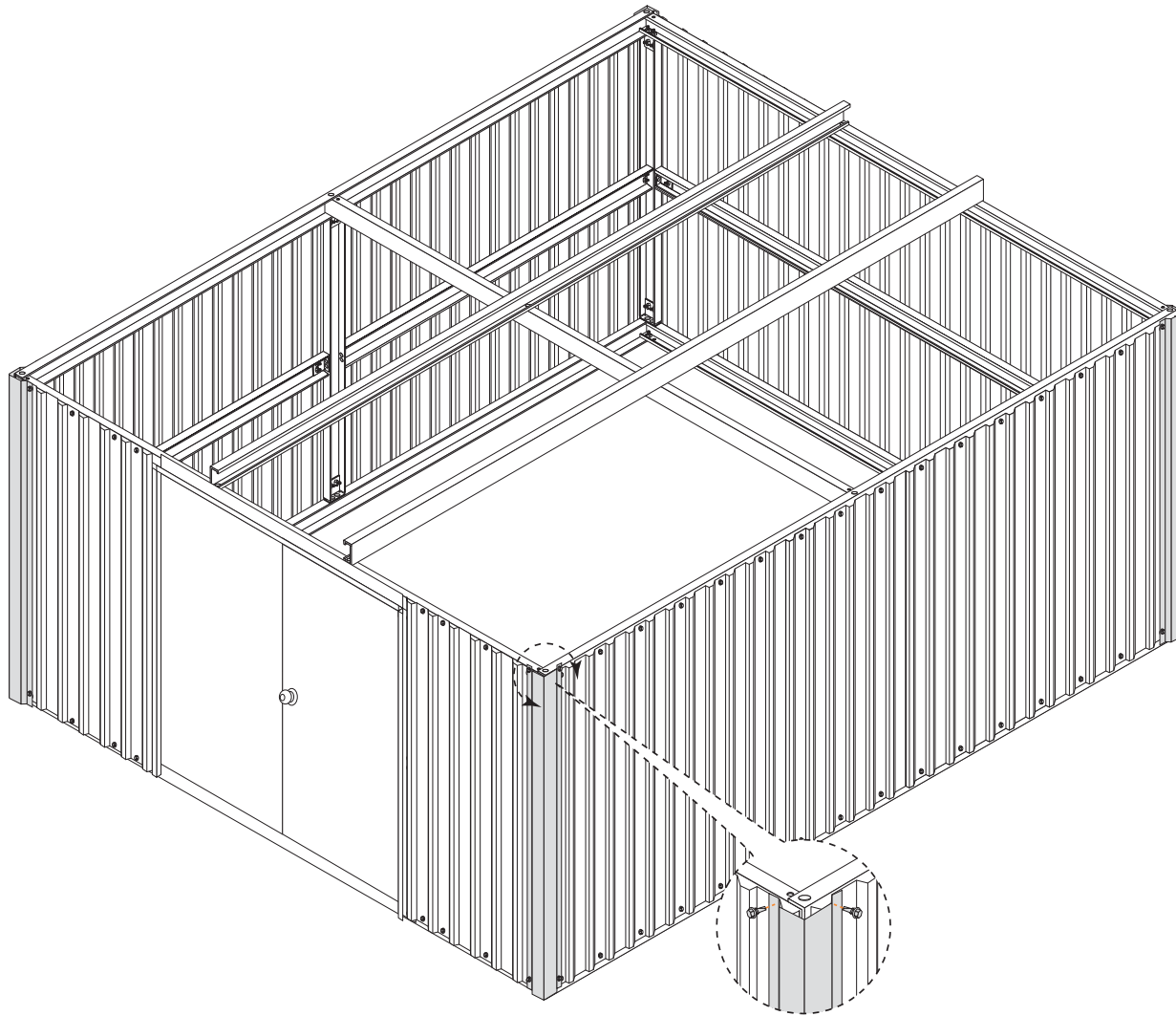
**NOTE:** Start sheets 1" above the bottom of the base channel and  $\frac{3}{4}$ " out from endwall

## SHEETING ENDWALL



**NOTE:** Start sheets 1" above the bottom of the base purlin and 3/4" out from the sidewall

## CORNER TRIM



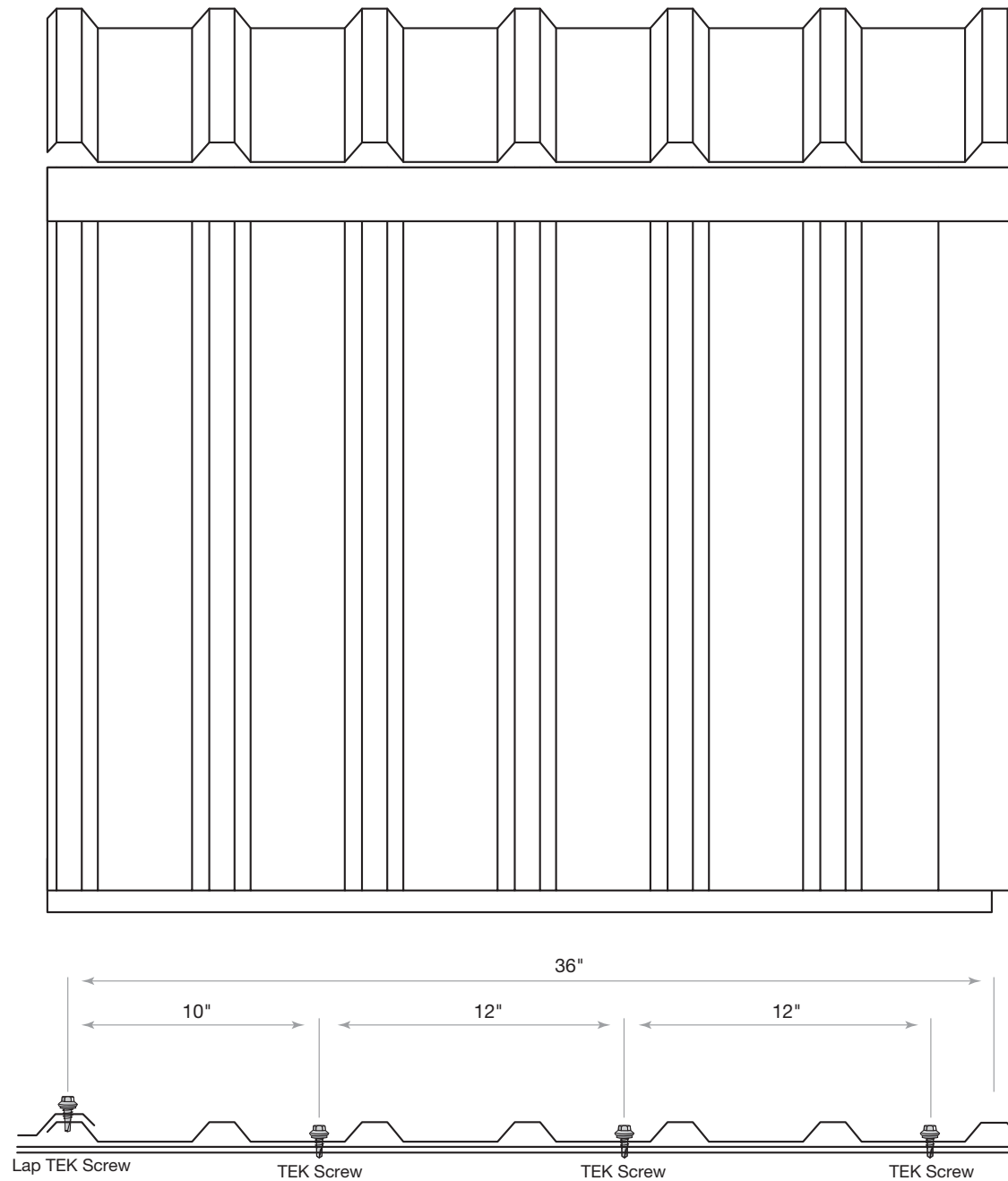
## BACK SIDE WALL

Roof to wall sheet alignment

Align major ribs from wall to major rib on roof

**NOTE:** Make sure panels remain square during installation.

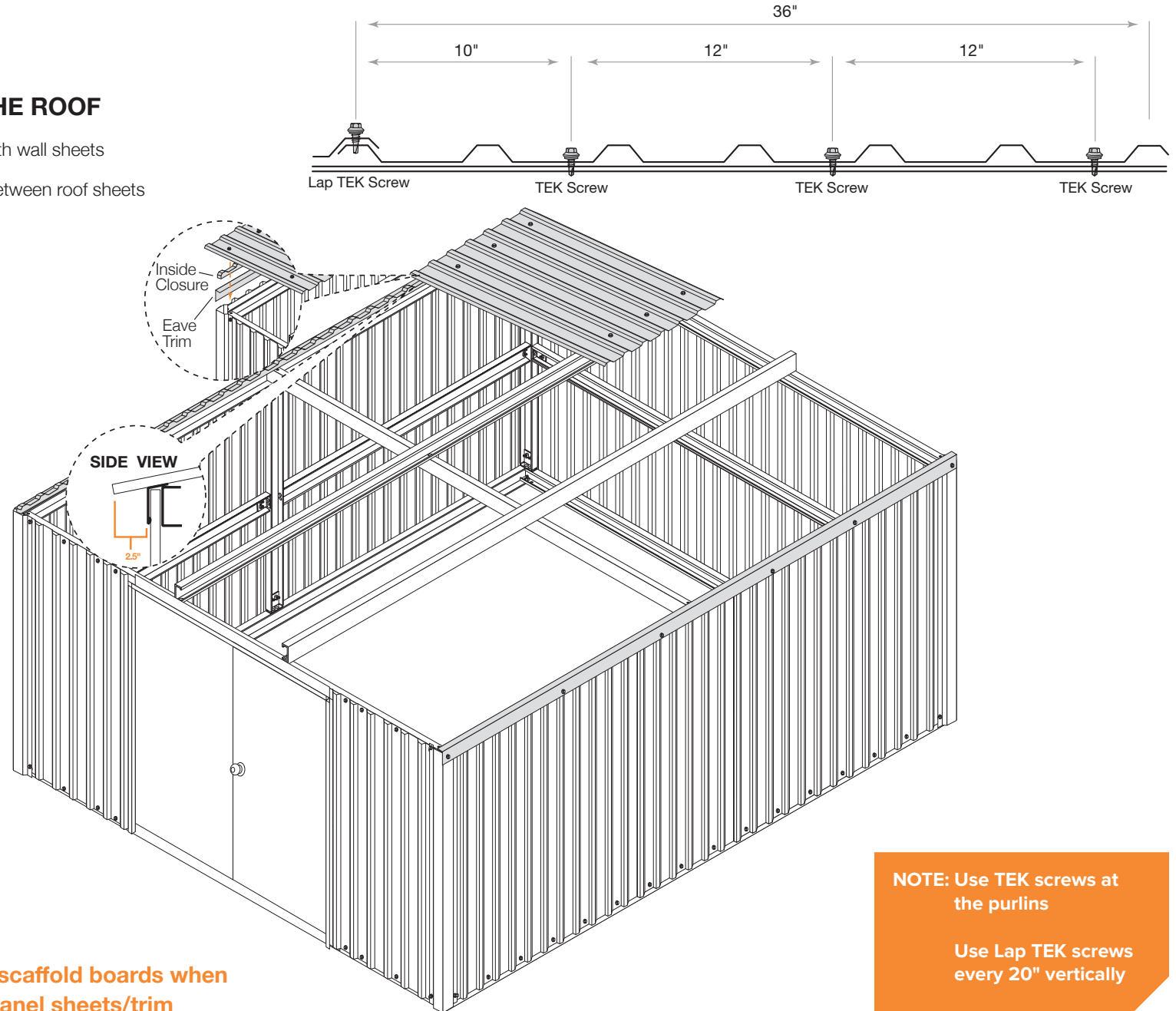
**NOTE:** If optional double door is used, roof and wall sheets will not align.



## SHEETING THE ROOF

Align roof sheets with wall sheets

Place sealer tape between roof sheets to avoid leaks



**CAUTION:** Use scaffold boards when installing roof panel sheets/trim

**NOTE:** Use TEK screws at the purlins

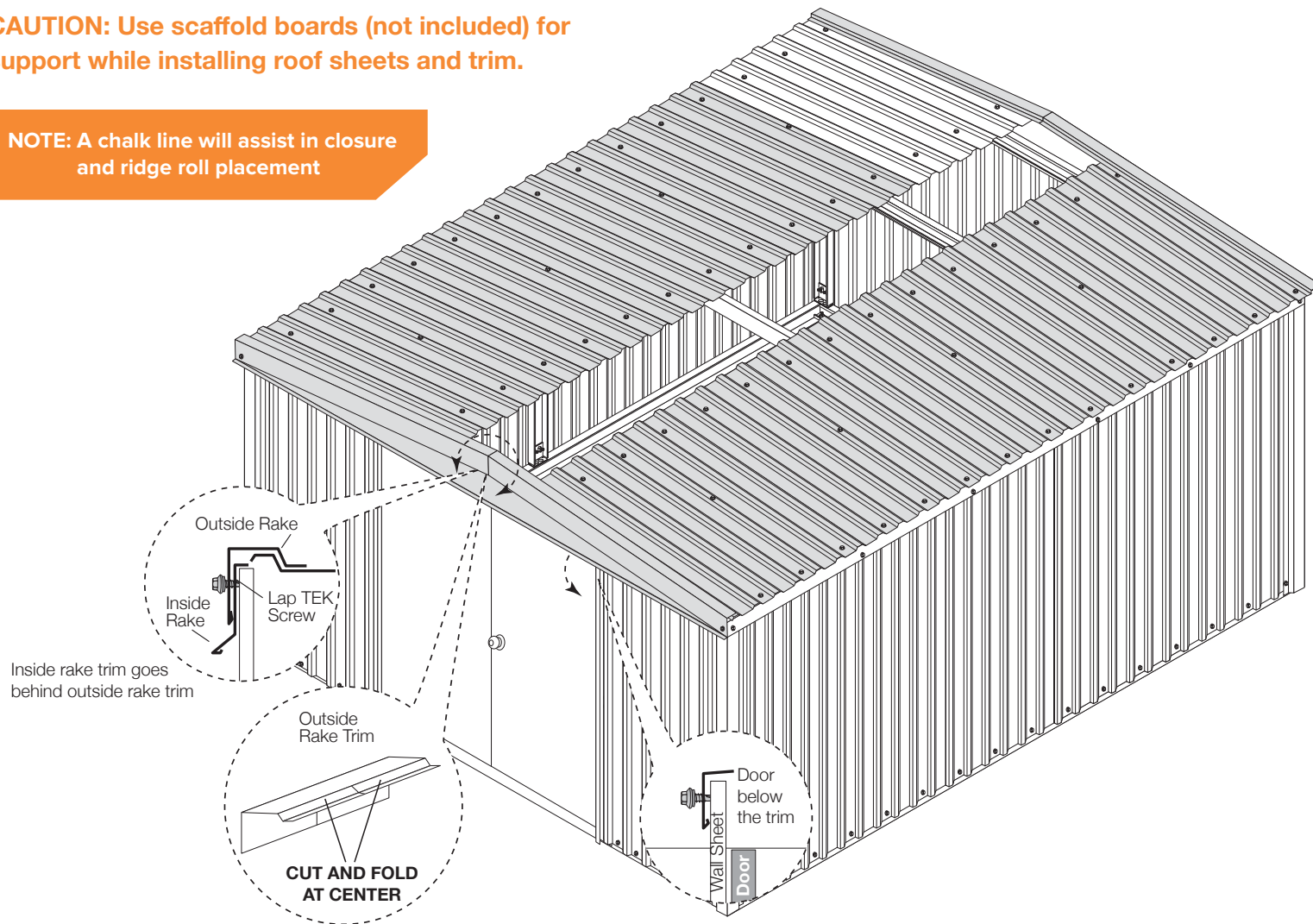
Use Lap TEK screws every 20" vertically



## ROOFING TRIM DETAILS

**CAUTION:** Use scaffold boards (not included) for support while installing roof sheets and trim.

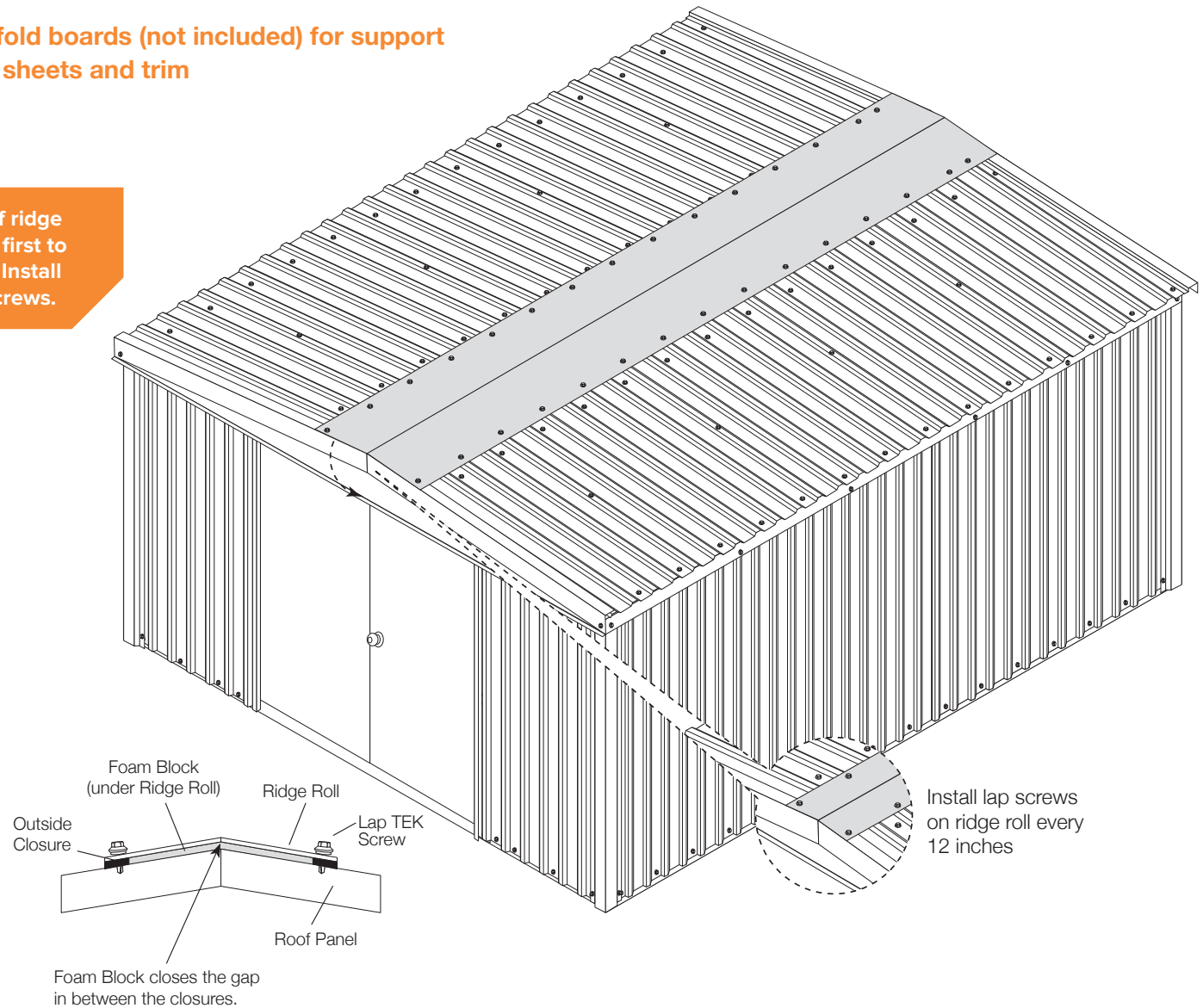
**NOTE:** A chalk line will assist in closure and ridge roll placement



## SKYLIGHT RIDGE ROLL INSTALLATION

**CAUTION:** Use scaffold boards (not included) for support while installing roof sheets and trim

**HINT:** Screw corner of ridge roll and middle first to maintain pitch. Install remainder of screws.



## TOTAL BUILDING MEASUREMENTS

