9x12 Greenhouse Kit Instructions

Mueller Greenhouse 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
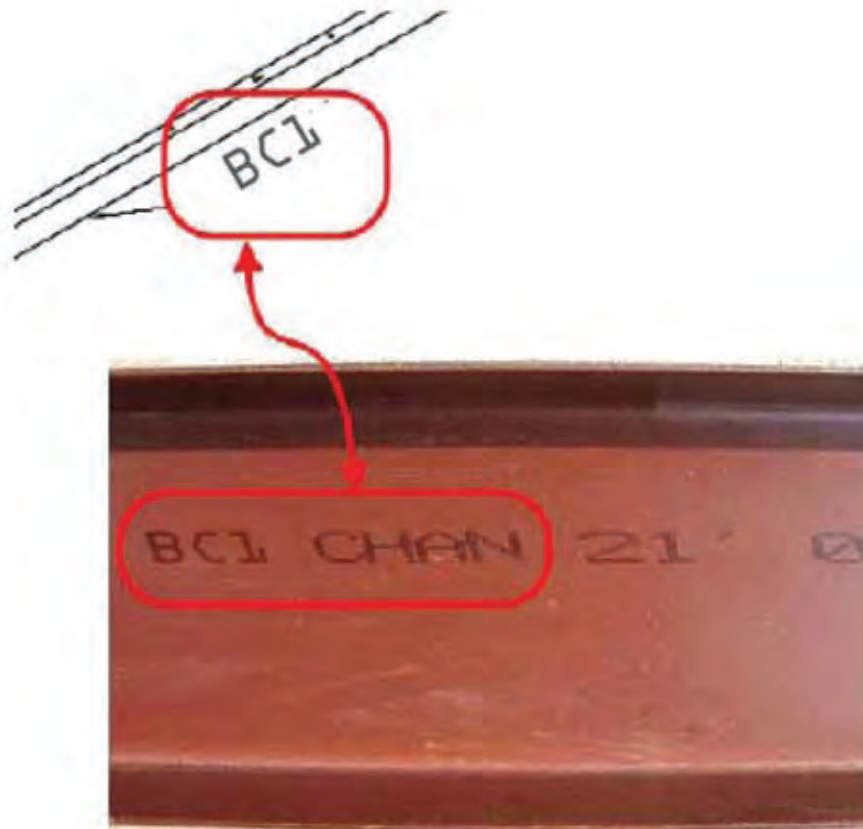
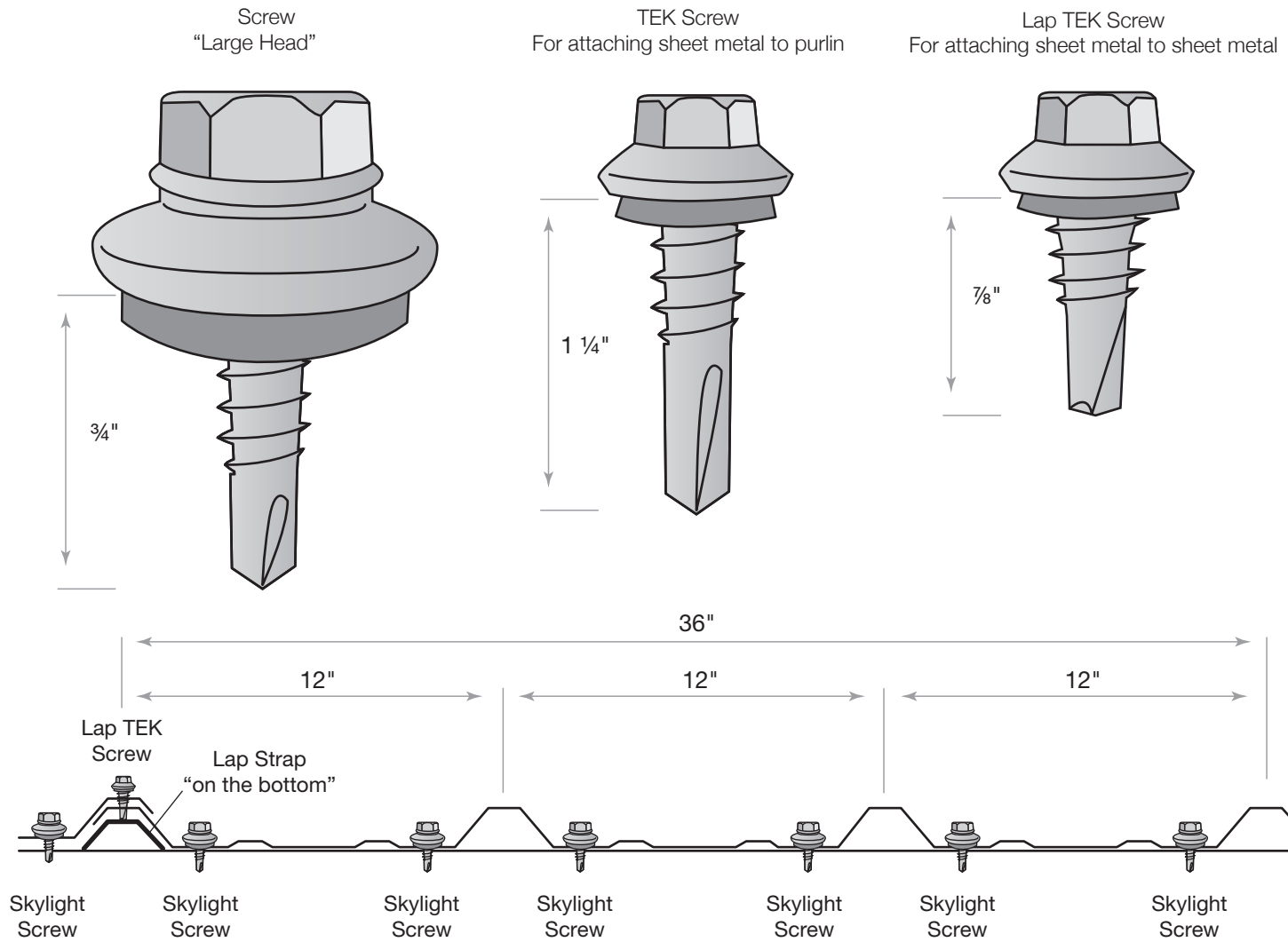**877-2-MUELLER • www.muellerinc.com**

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:
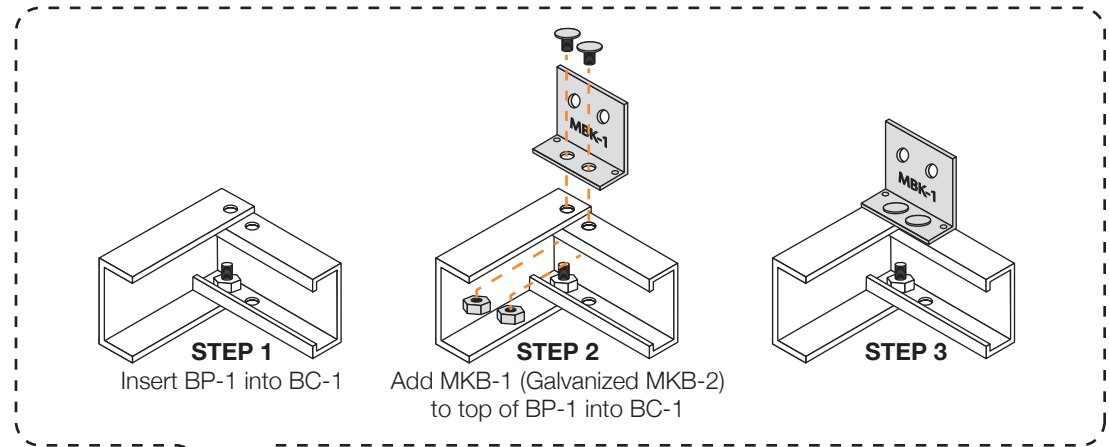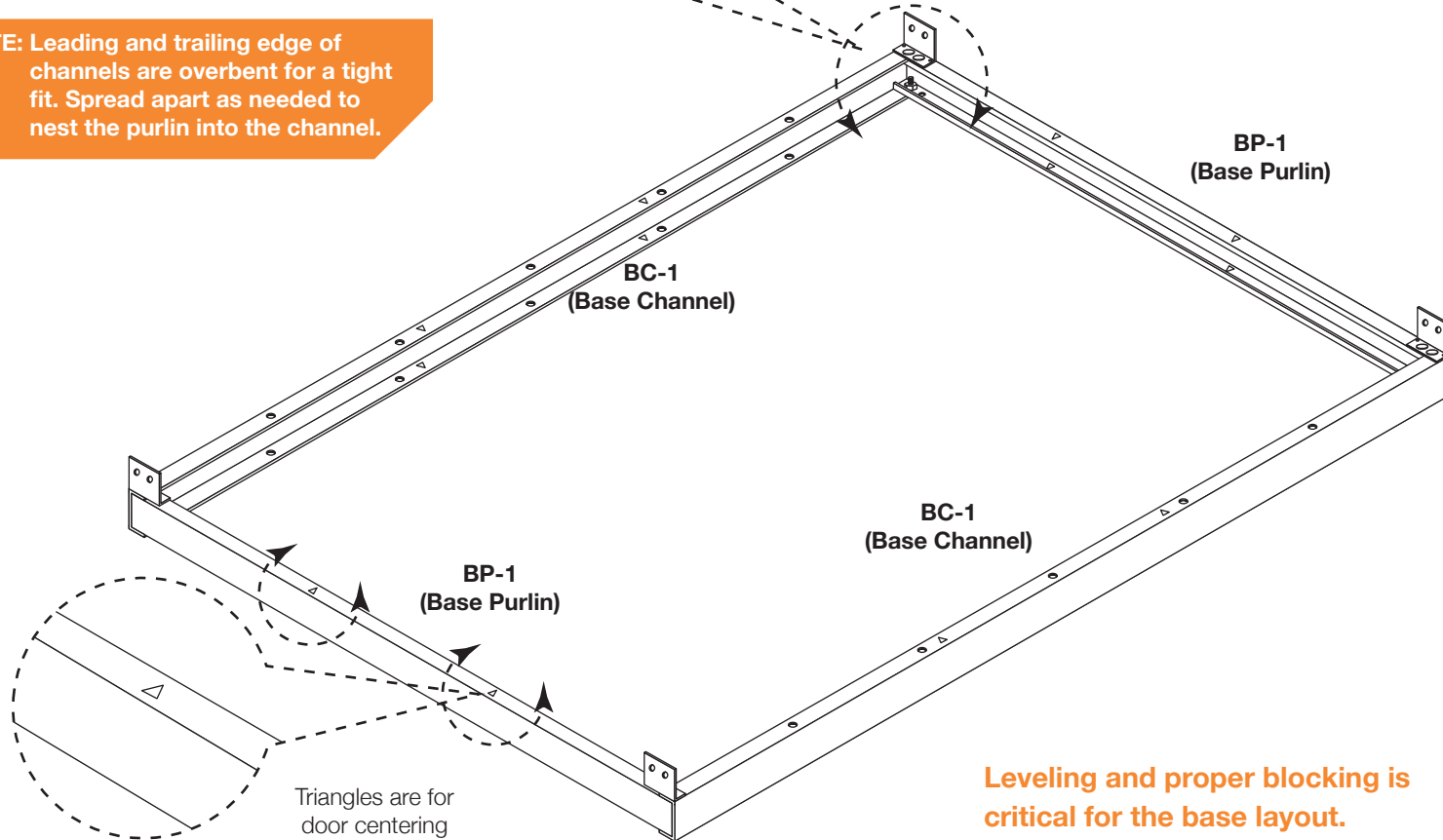
TYPES OF SCREWS

Screw
"Large Head"

TEK Screw
For attaching sheet metal to purlin

Lap TEK Screw
For attaching sheet metal to sheet metal

1 ¼"

⅞"

¾"

36"

12"   12"   12"

Lap TEK
Screw

Lap Strap
"on the bottom"

Skylight
Screw

Skylight
Screw

Skylight
Screw

Skylight
Screw

Skylight
Screw

Skylight
Screw

Skylight
Screw

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)

STEP 1
Insert BP-1 into BC-1

STEP 2
Add MKB-1 (Galvanized MKB-2)
to top of BP-1 into BC-1

STEP 3

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

**BP-1
(Base Purlin)**

**BC-1
(Base Channel)**

**BC-1
(Base Channel)**

**BP-1
(Base Purlin)**

Triangles are for
door centering

**Leveling and proper blocking is
critical for the base layout.**
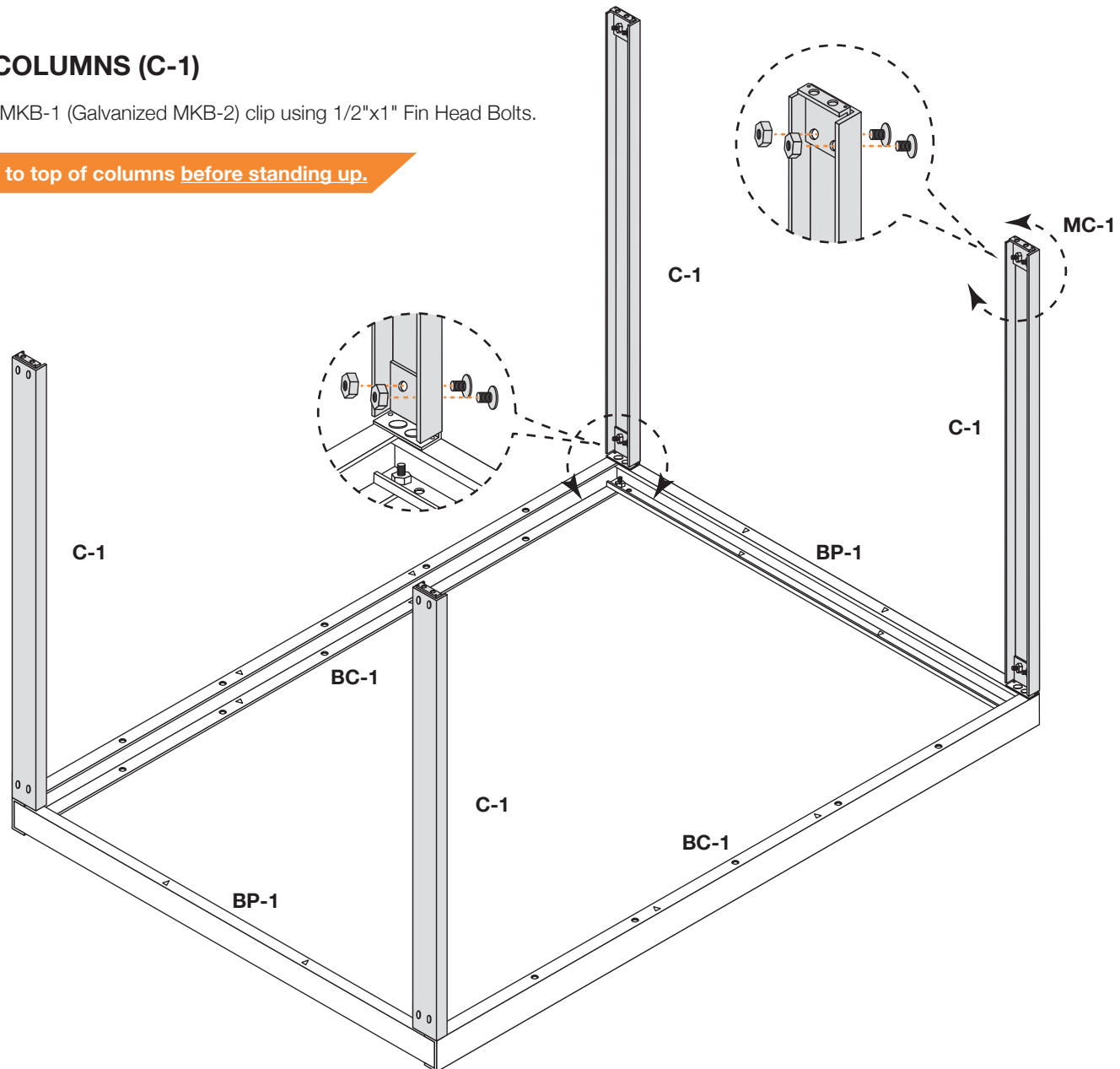
MAKE SURE THE ASSEMBLY IS SQUARE

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.

Make sure the assembly is square. Assembly is square when the corner to corner measurements are equal.

12'1"

9'4"
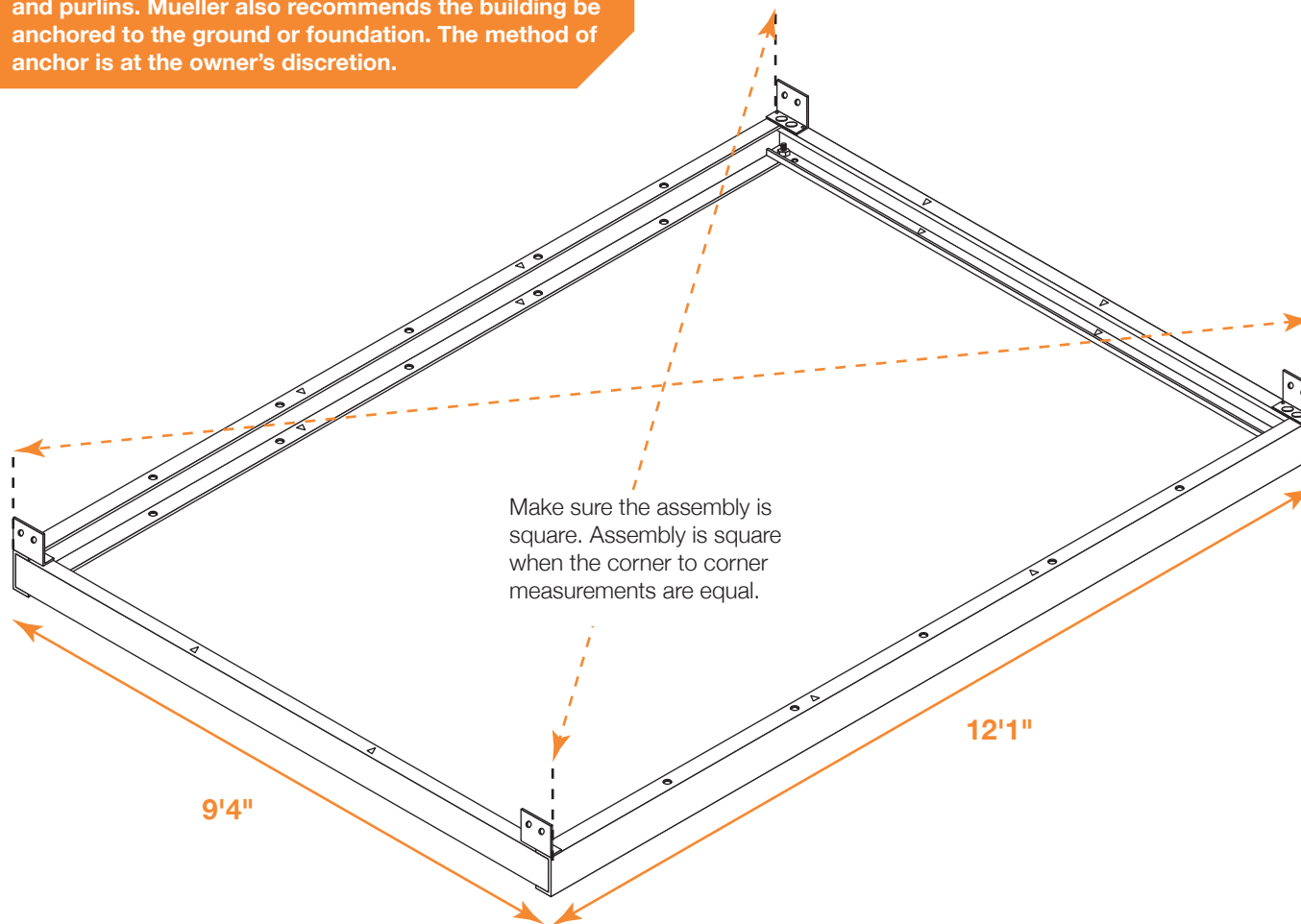
ERECTING COLUMNS (C-1)
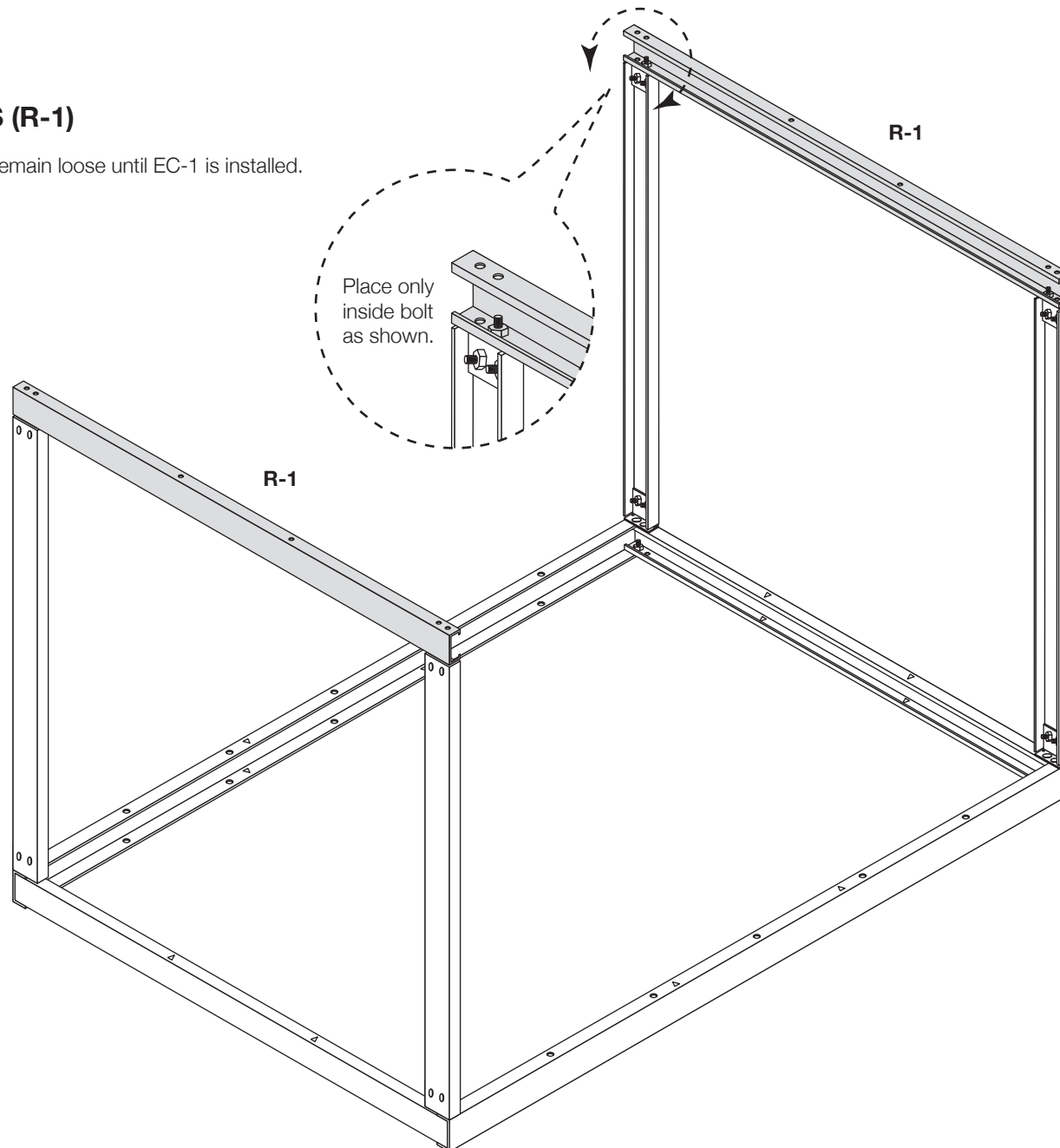
Attach column to MKB-1 (Galvanized MKB-2) clip using 1/2"x1" Fin Head Bolts.

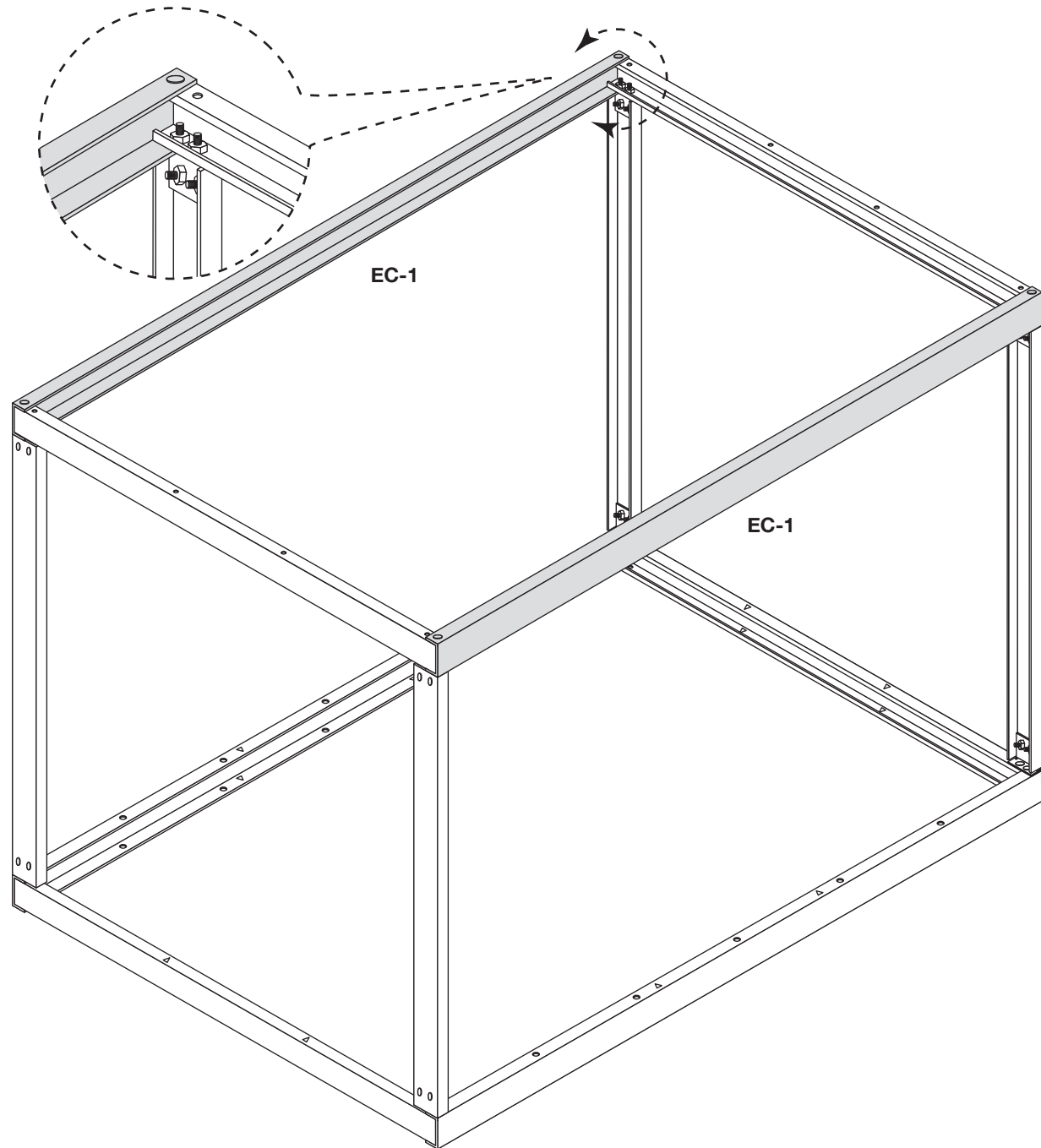HINT: Add clips to top of columns before standing up.

MC-1

C-1

C-1

C-1

C-1

BP-1

BC-1

BC-1

BP-1

RAFTERS (R-1)

Bolts should remain loose until EC-1 is installed.

Place only inside bolt as shown.

R-1

R-1

EAVE CHANNEL (EC-1)

Tighten bolts after EC-1 is installed.

EC-1

EC-1

MAKE SURE THE ASSEMBLY IS SQUARE AND LEVEL
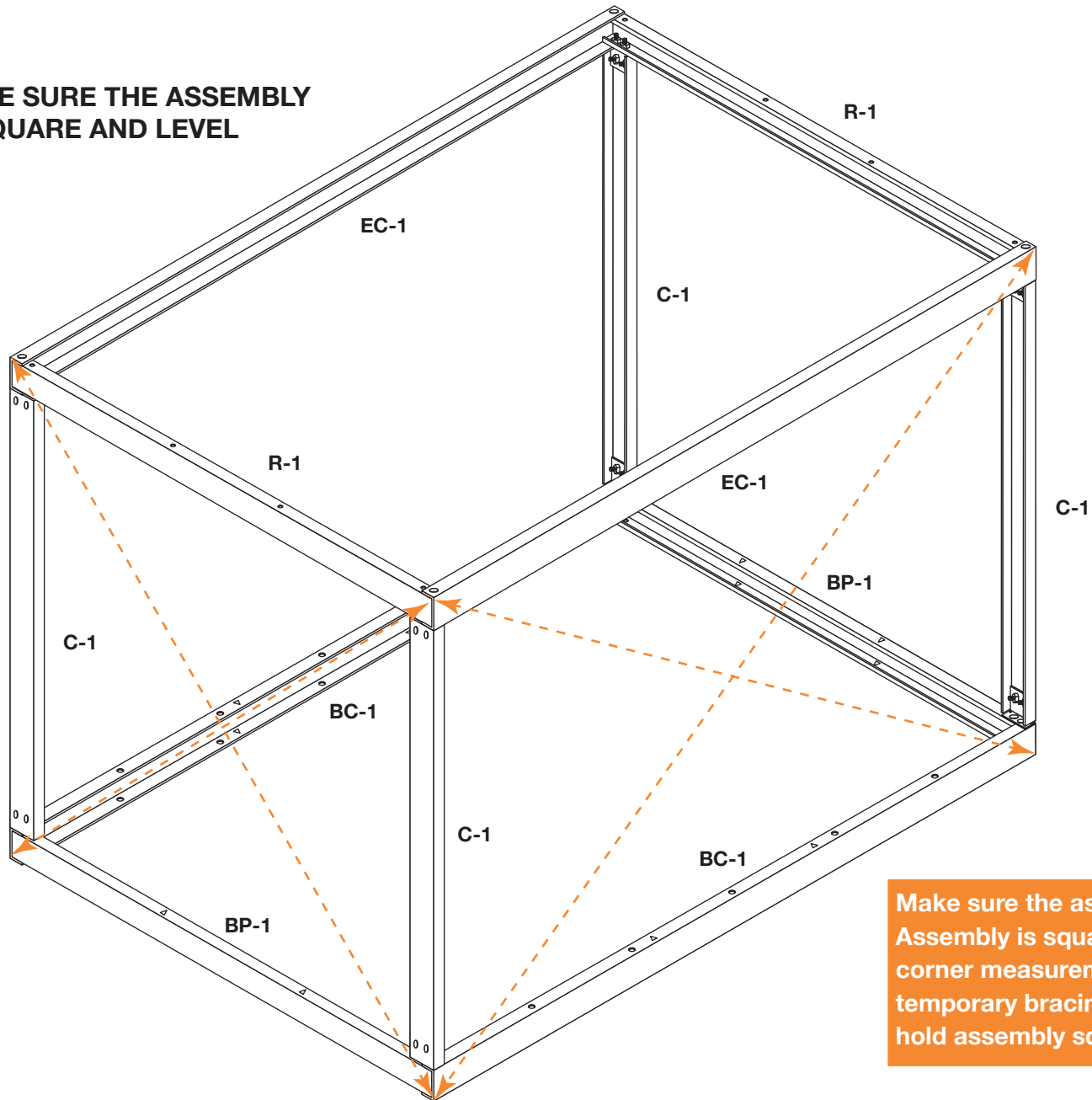
R-1

EC-1

C-1

R-1

EC-1

C-1

C-1

BP-1

BC-1

C-1

BC-1

C-1

BP-1
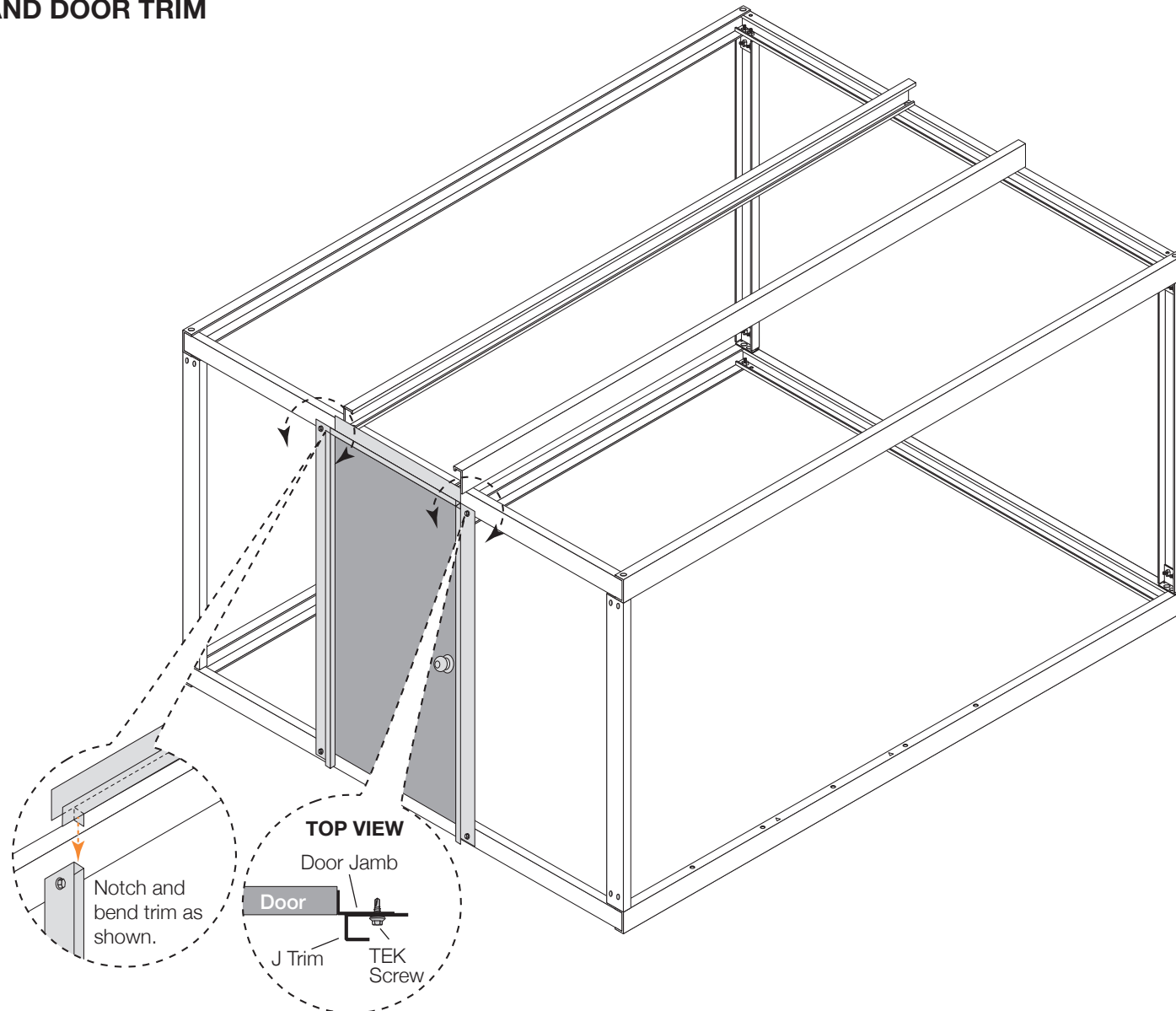
Make sure the assembly is square. Assembly is square when the corner to corner measurements are equal. Use temporary bracing (not included) to hold assembly square if required.

ROOF PURLIN

Open side of RP-1 faces to center of building.

DOOR AND DOOR TRIM

Notch and bend trim as shown.

TOP VIEW

Door Jamb

Door

J Trim

TEK Screw
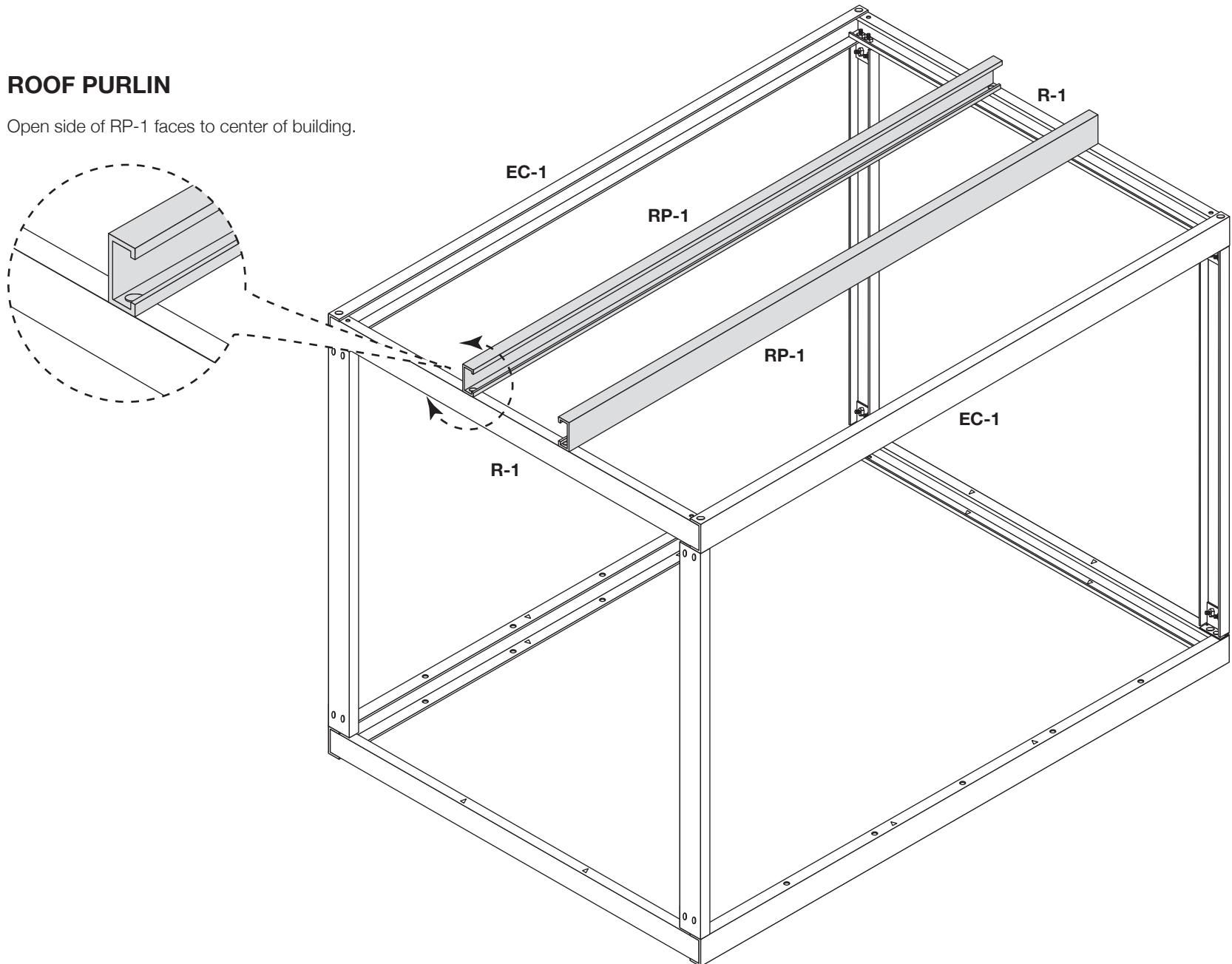
MID-GIRTS
MG-1, MG-2 AND MG-3

NOTE: Bolt to inside of column leg.

MG-2

MG-1

MG-3

MG-1

MG-3

MG-1   MG-2

MKB-1
Clip

TEK
Screws

To attach MG-3, use
TEK screws to go
through door trim,
door frame and girt.

MG-3
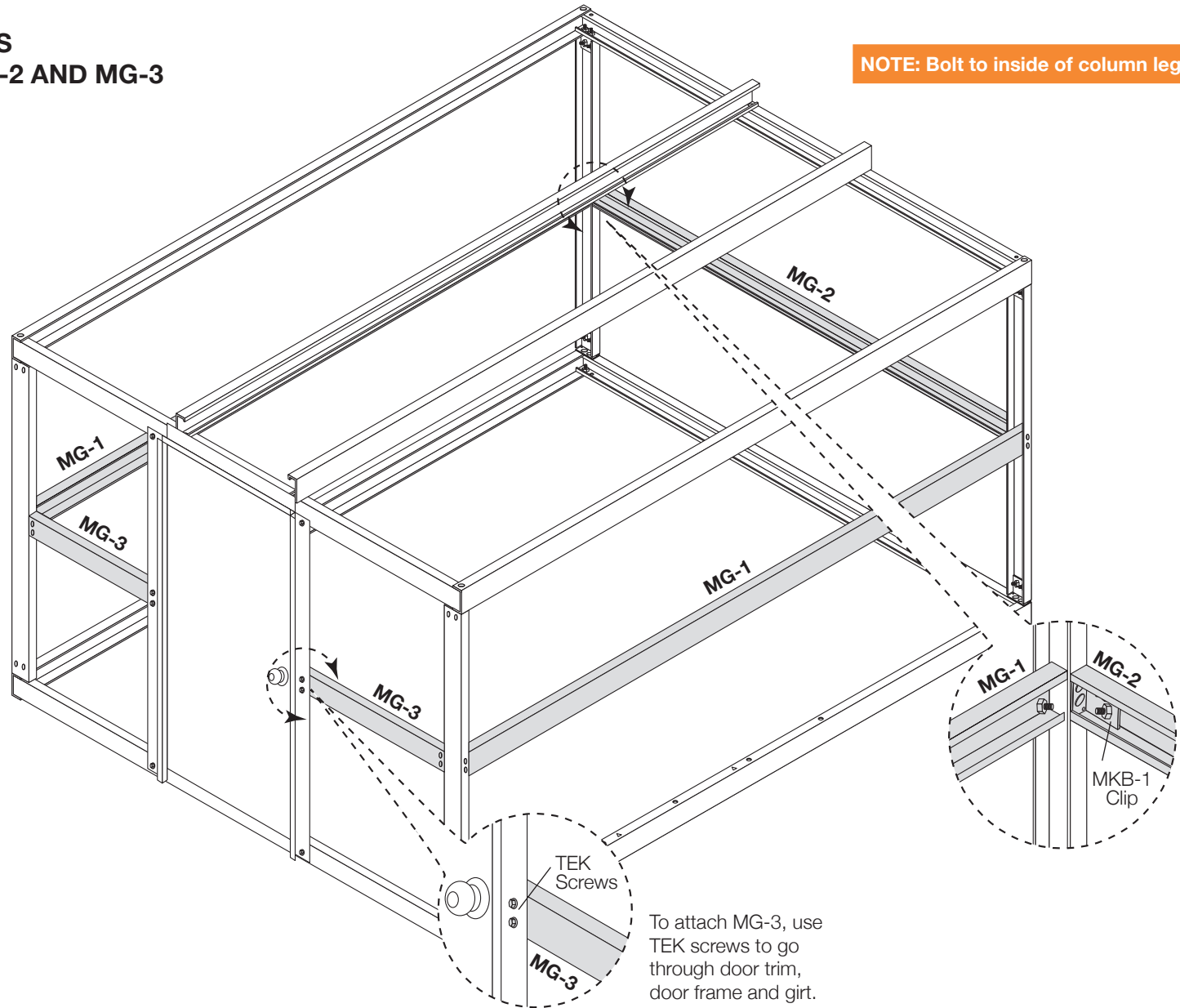
ADD WINDOW

Start sheet 1" in past steel line. Sheet 1" above bottom of base channel.

Eave Trim →

Lap TEK Screw

DripTrim
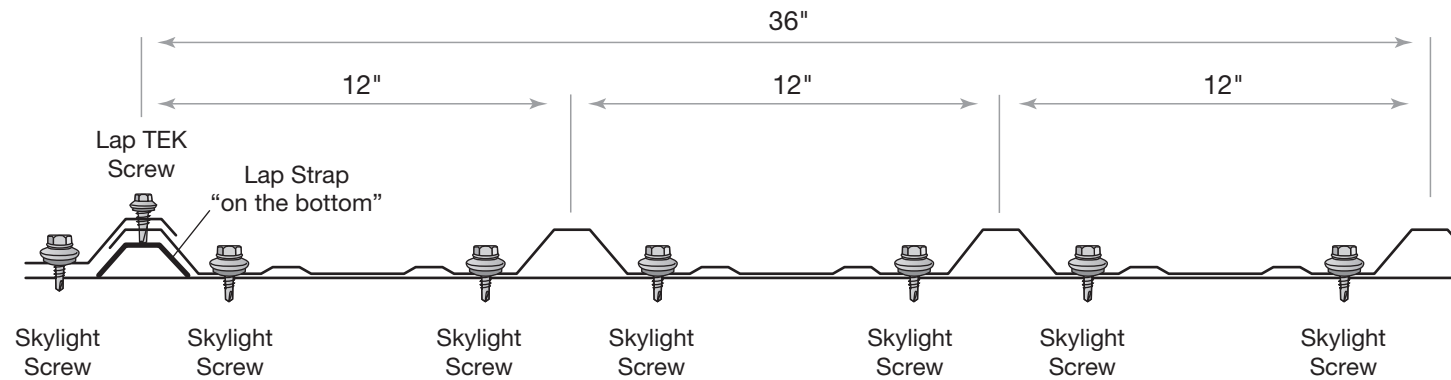
Use inside/outside closures behind drip trim
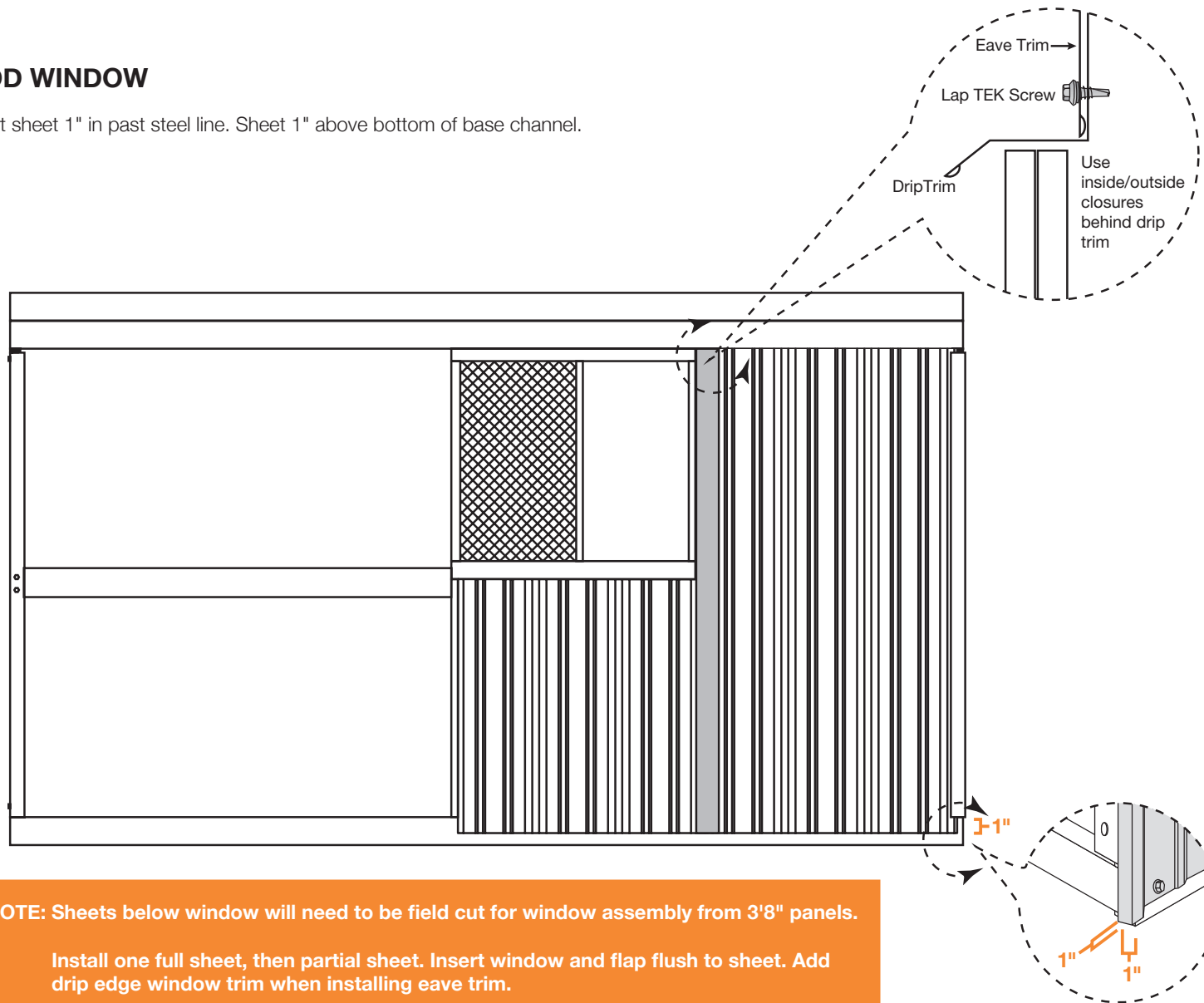
NOTE: Sheets below window will need to be field cut for window assembly from 3'8" panels.

Install one full sheet, then partial sheet. Insert window and flap flush to sheet. Add drip edge window trim when installing eave trim.
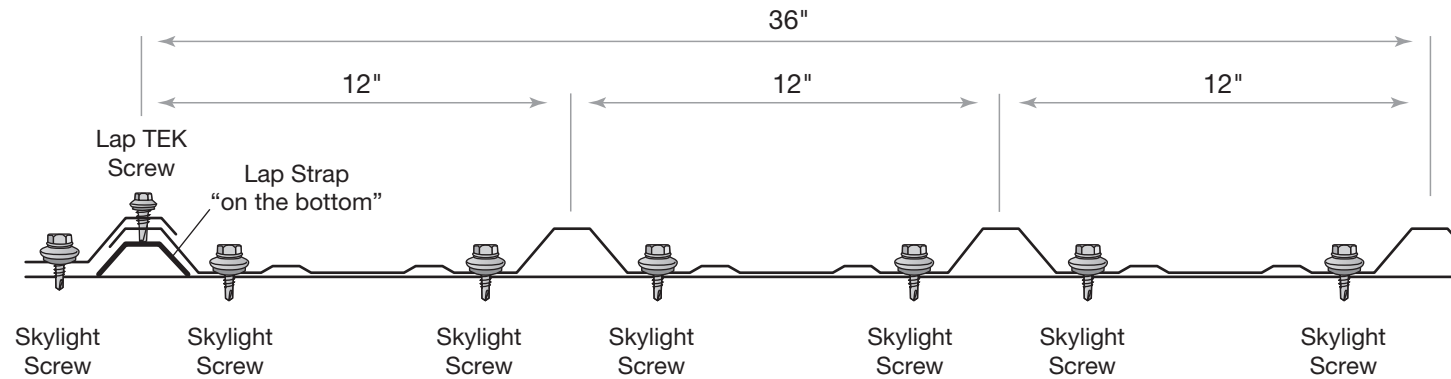
See installation instructions included with the window packaging.

1"

1"   1"

SHEETING SCREW PLACEMENT

WALL SHEETS

36"

12"   12"   12"

Lap TEK
Screw   Lap Strap
              "on the bottom"

Skylight   Skylight   Skylight   Skylight   Skylight   Skylight   Skylight
Screw   Screw   Screw   Screw   Screw   Screw   Screw

ROOF SHEETS

36"

12"   12"   12"

Lap TEK
Screw   Lap Strap
              "on the bottom"

Skylight   Skylight   Skylight   Skylight   Skylight   Skylight   Skylight
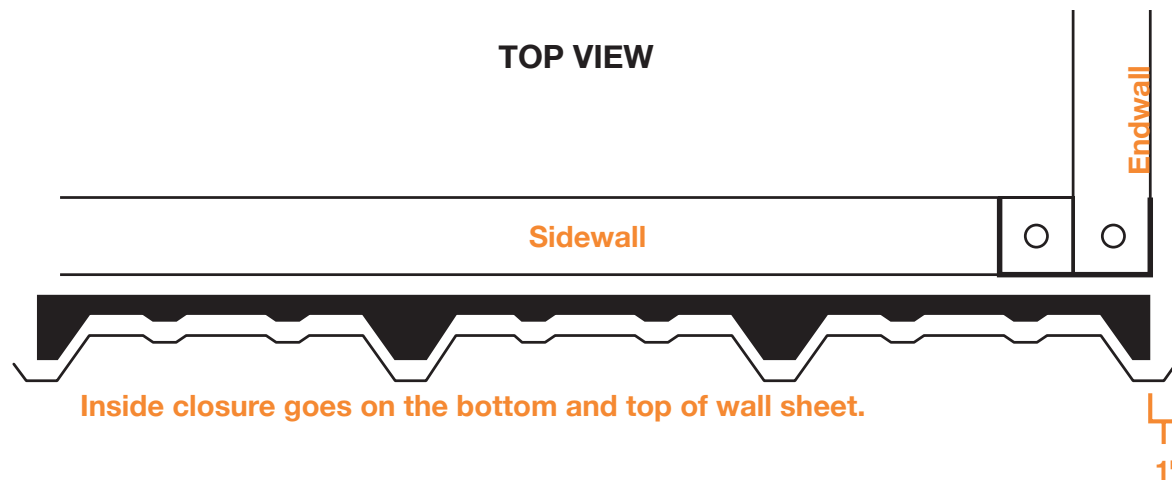Screw   Screw   Screw   Screw   Screw   Screw   Screw

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

SHEETING SIDEWALL

TOP VIEW

Endwall

Sidewall

Inside closure goes on the bottom and top of wall sheet.

1"

NOTE: Start sheets 1" in from corner channel and start sheet 1" above the bottom of the base channel.

SHEETING ENDWALL

TOP VIEW

Sidewall

Endwall

Inside closure goes on the bottom and top of wall sheet.

1"
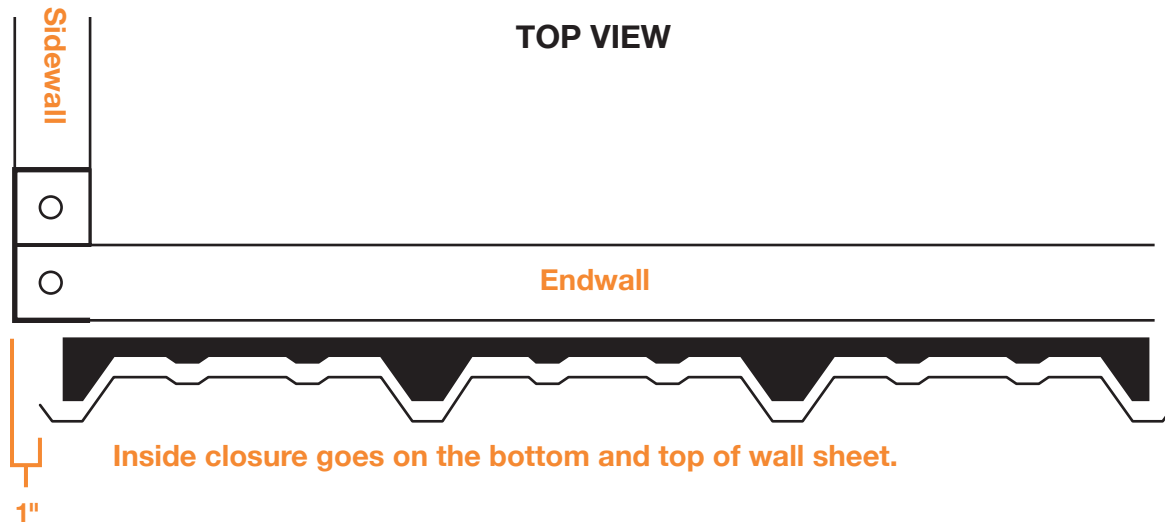
NOTE: Start sheets 1" in from corner channel and start sheet 1" above the bottom of the base purlin.
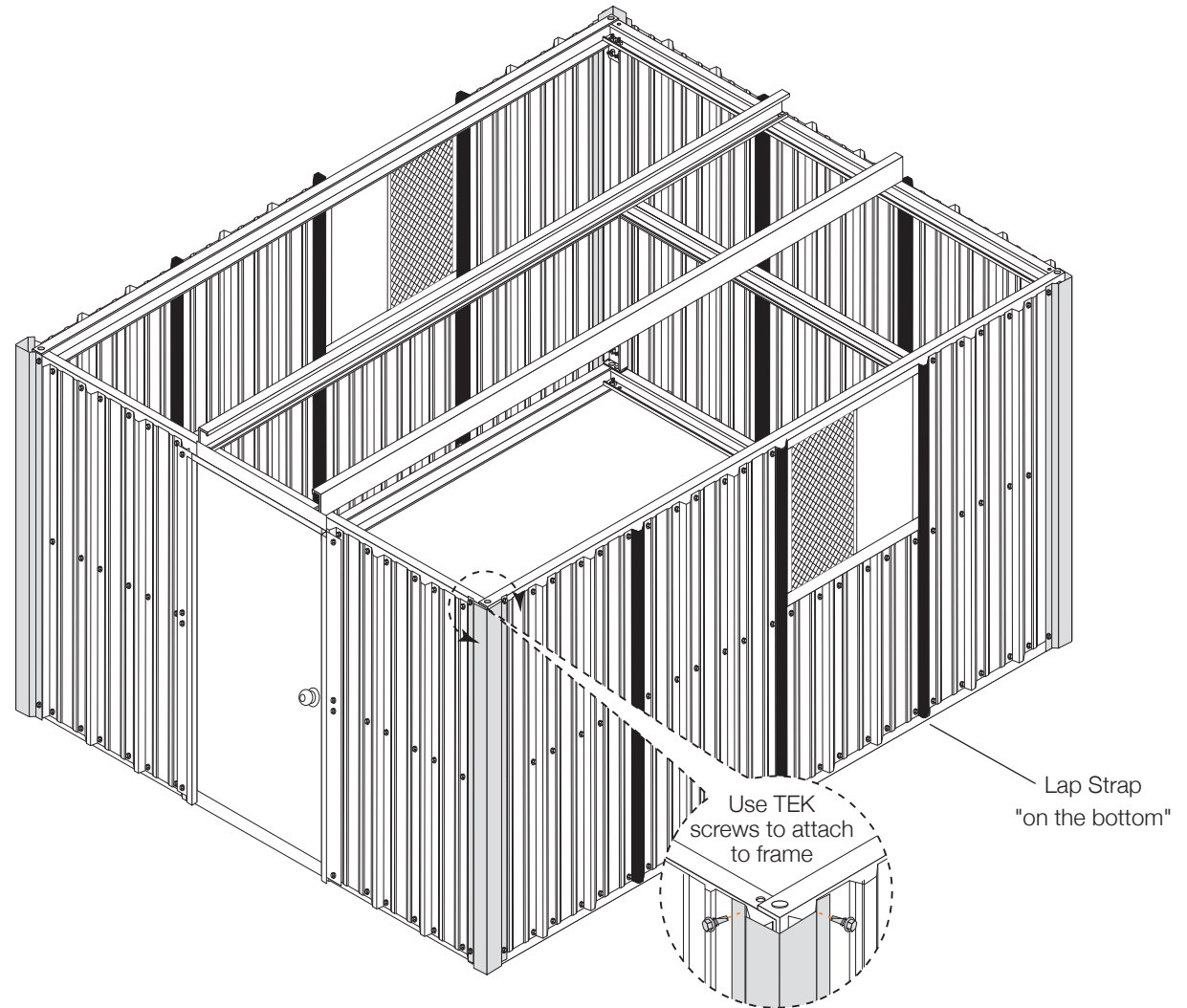
SHEETING

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

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

TOP VIEW

Door Jamb

Door

Panel

J-Trim

TEK Screw

Lap Strap "on the bottom"
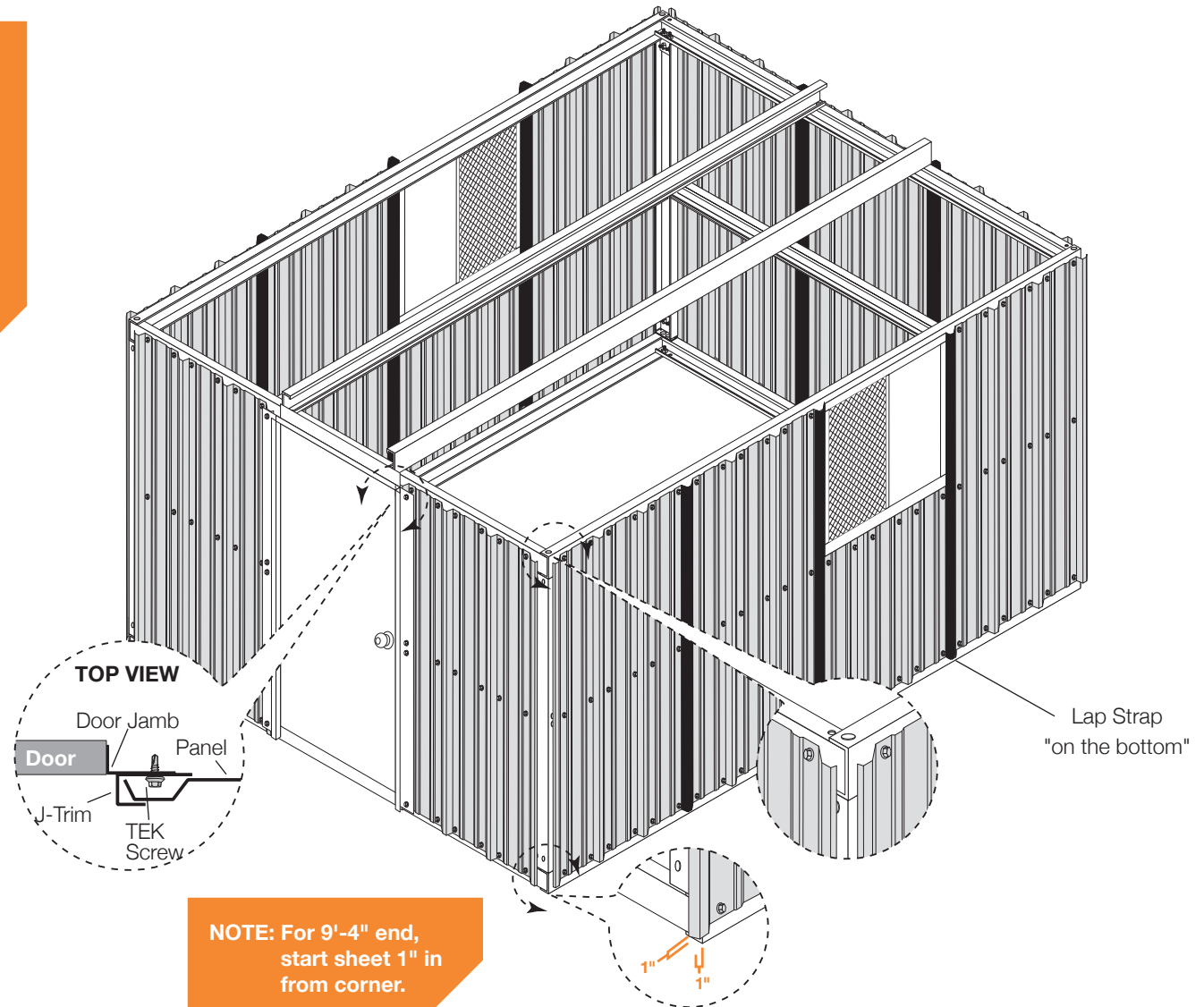
NOTE: For 9'-4" end, start sheet 1" in from corner.

1"

1"

CORNER TRIM

Lap Strap
"on the bottom"
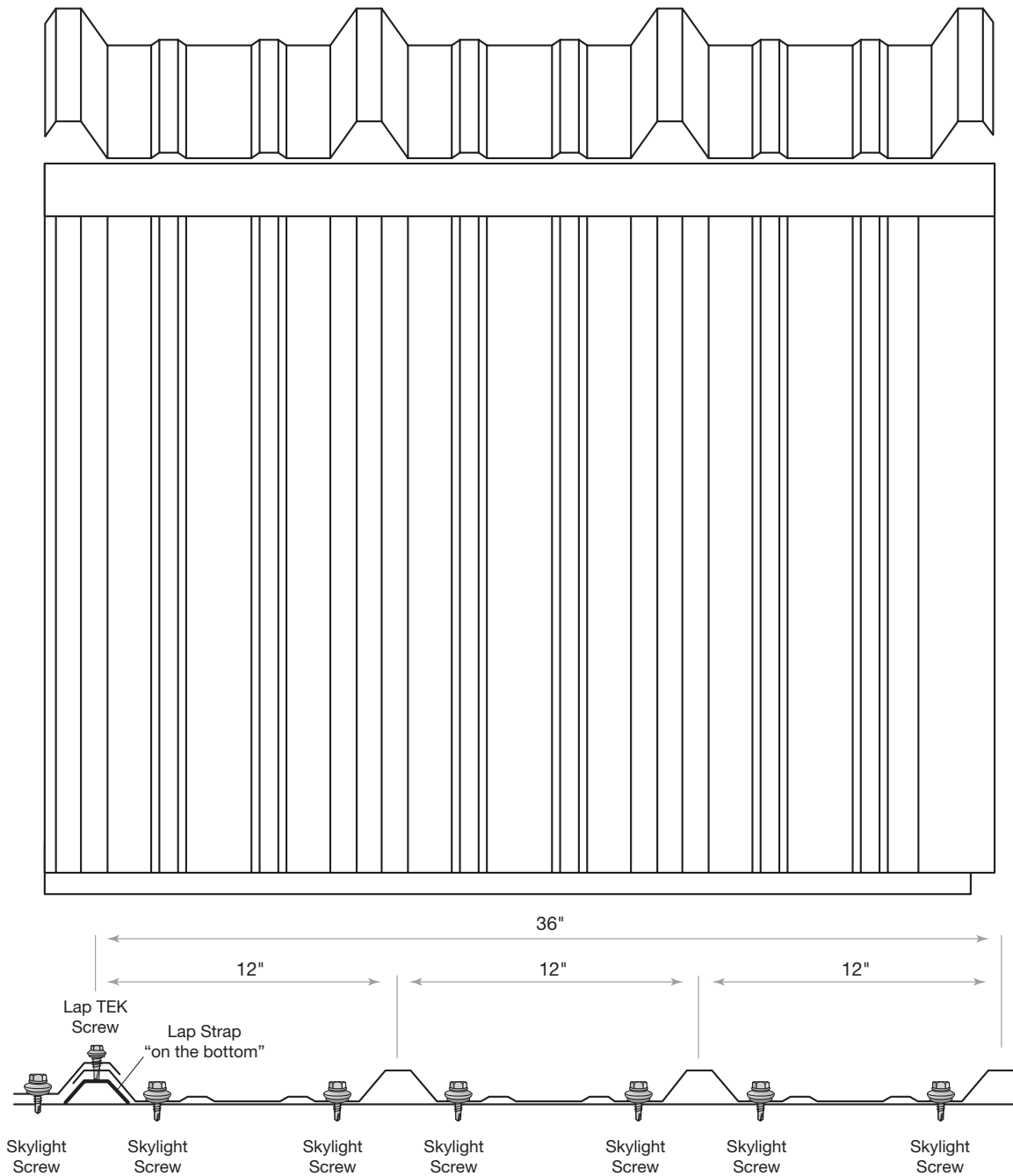
Use TEK
screws to attach
to frame

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.

36"

12" 12" 12"

Lap TEK
Screw

Lap Strap
"on the bottom"

Skylight
Screw

Skylight
Screw

Skylight
Screw

Skylight
Screw

Skylight
Screw

Skylight
Screw

Skylight
Screw

SHEETING THE ROOF

Align roof sheets with wall sheets.

36"

12" 12" 12"

Lap TEK
Screw

Lap Strap
"on the bottom"

Skylight
Screw

Skylight
Screw

Skylight
Screw

Skylight
Screw

Skylight
Screw

Skylight
Screw

Skylight
Screw

Inside
Closure

Eave
Trim

SIDE VIEW

2.5"

TOP VIEW
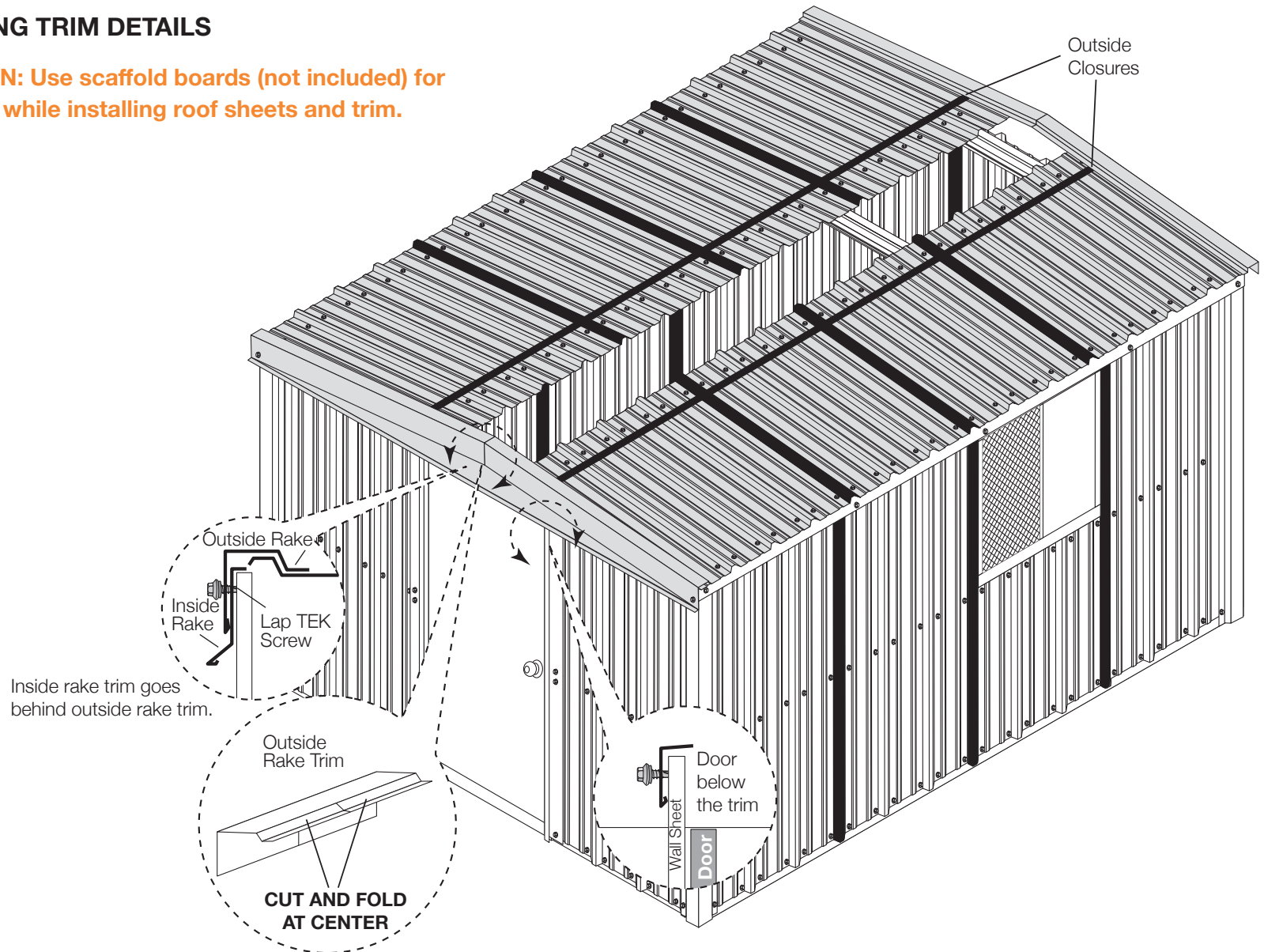
**SIDE
VIEW**

Door

Wall Sheet

Door
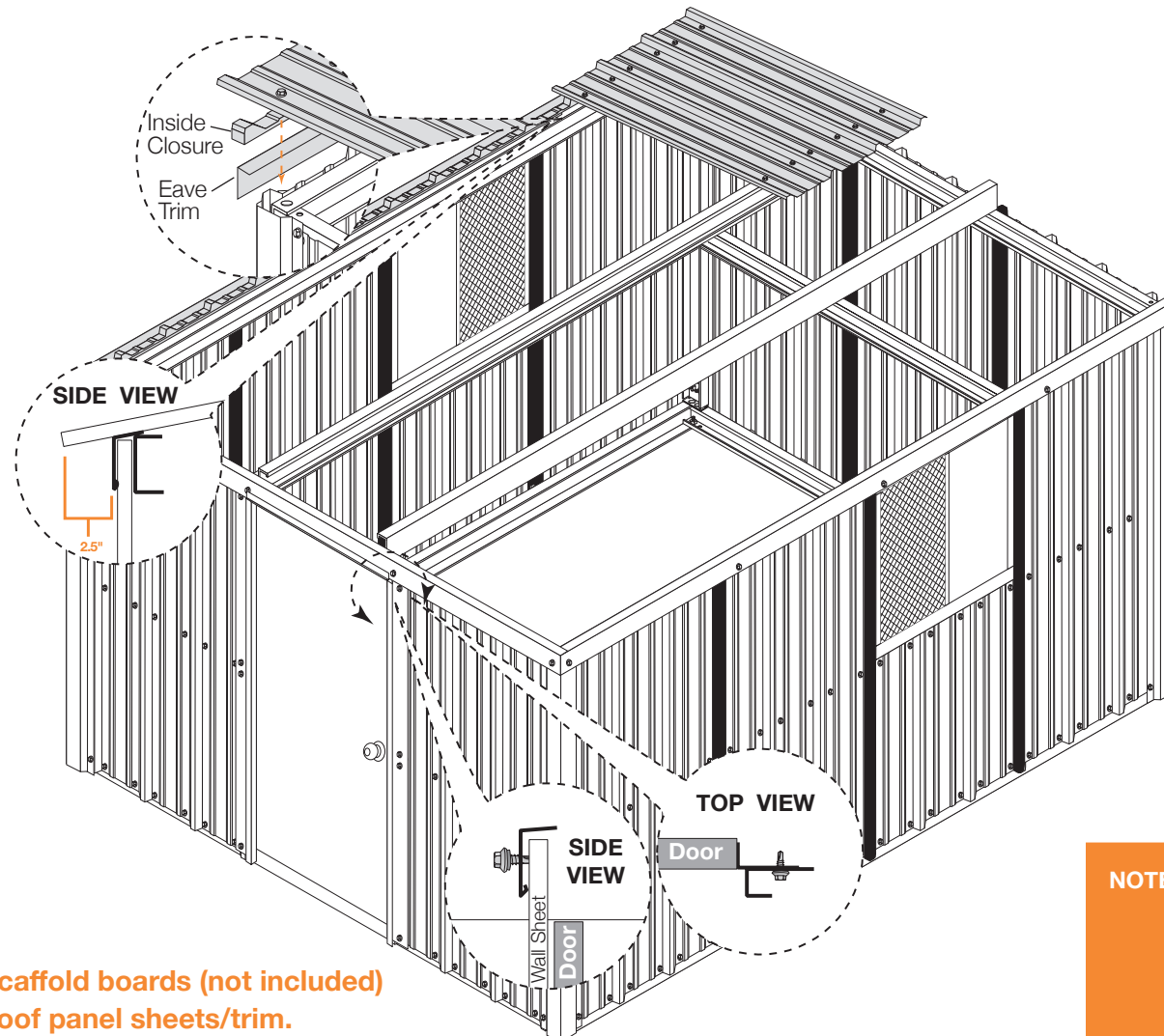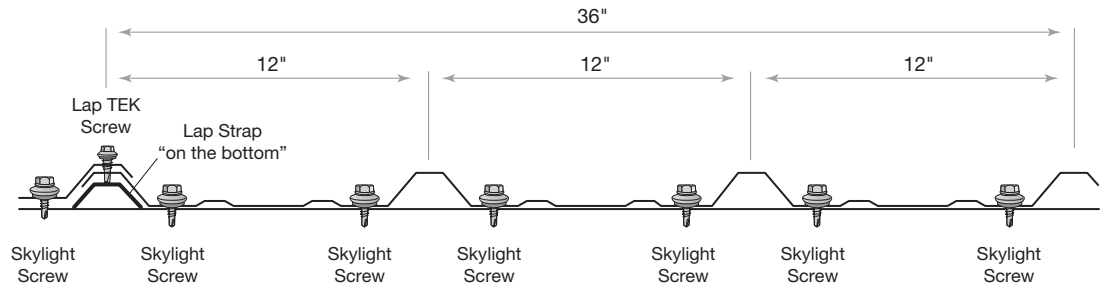
**CAUTION: Use scaffold boards (not included)
when installing roof panel sheets/trim.**

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

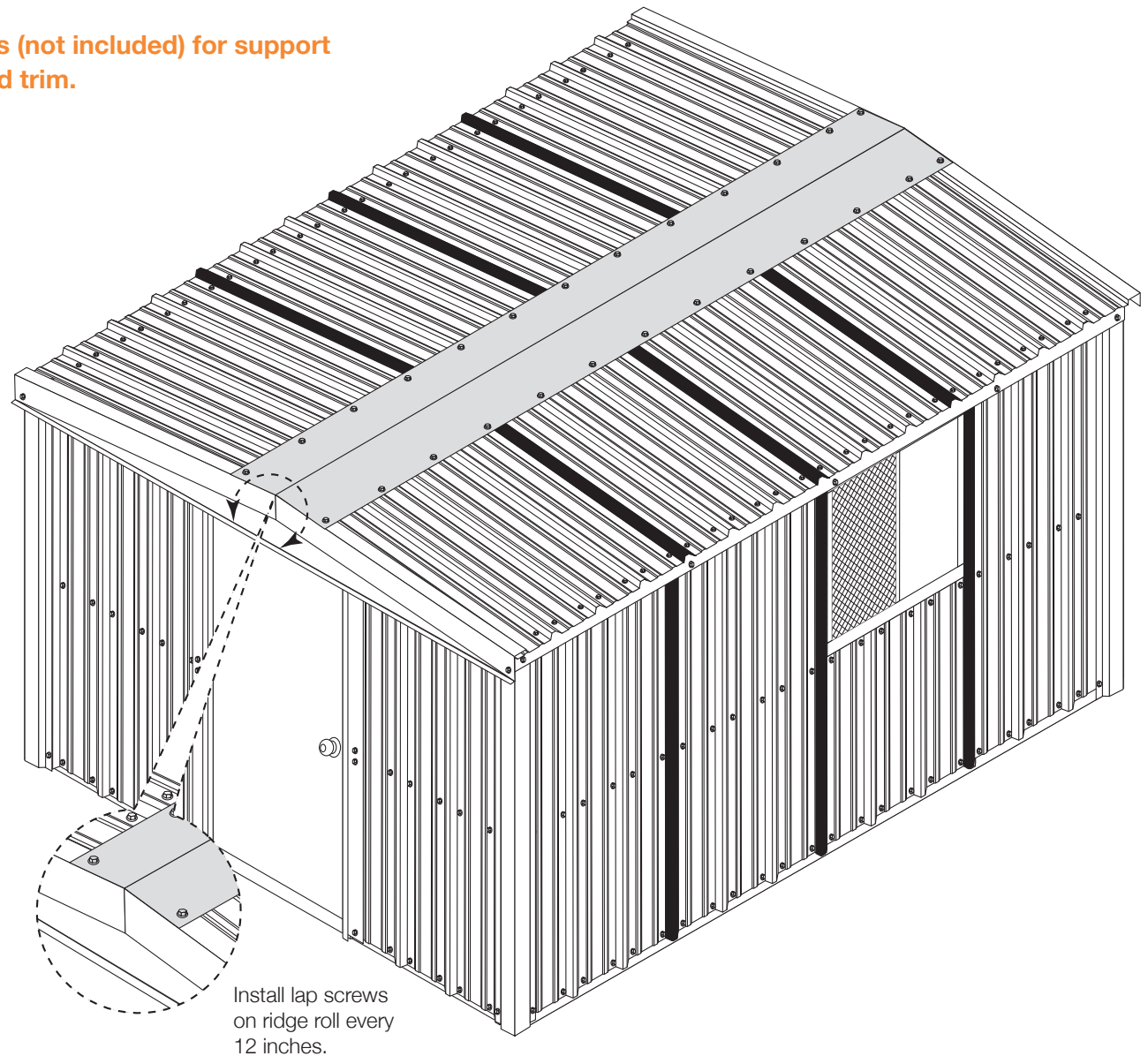**Use Lap TEK screws
every 20" vertically.**

ROOFING TRIM DETAILS

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

Outside Closures

Outside Rake

Inside Rake

Lap TEK Screw

Inside rake trim goes behind outside rake trim.

Outside Rake Trim

CUT AND FOLD AT CENTER

Door below the trim

Wall Sheet

Door

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.

Foam Block
(under Ridge Roll)

Ridge Roll

Outside
Closure

Lap TEK
Screw

Roof Panel

Foam Block closes the gap
in between the closures.

Install lap screws
on ridge roll every
12 inches.
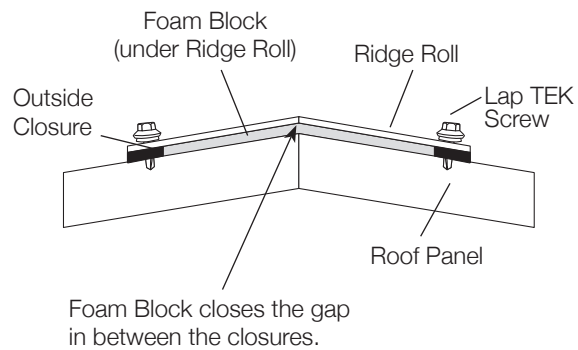
TOTAL BUILDING MEASUREMENTS

7'1"

7'7"

12'4"

9'7"