

# TREX REVEAL® RAILING

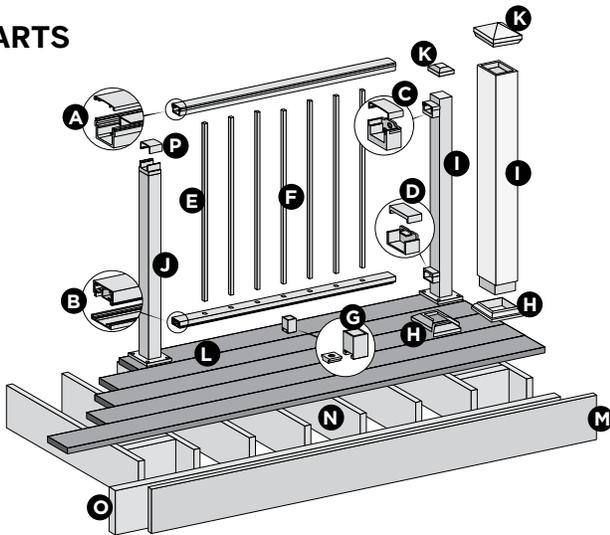
## Installation Instructions



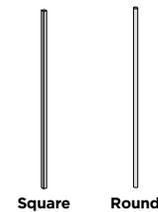
### NOTES:

- » REVEAL RAILINGS ARE DESIGNED TO BE ATTACHED WITH POSTS INSTALLED AT A CLEAR SPAN OF 6' (1.83 M) OR 8' (2.44 M).
- » IF INSTALLING AT EXACT SPAN LENGTHS OF 6' (1.83 M) OR 8' (2.44 M), AND USING POST-TO-POST CONFIGURATION, THE BOTTOM RAIL WILL NOT NEED TO BE CUT, BUT THE TOP RAIL WILL NEED TO BE MEASURED (MAKING SURE BALUSTERS LINE UP VERTICALLY) AND CUT.
- » IF INSTALLING AT EXACT SPAN LENGTHS OF 6' (1.83 M) OR 8' (2.44 M), AND USING CROSSOVER POST CONFIGURATION (SPANS FROM ONE CROSSOVER POST TO ANOTHER CROSSOVER POST), BOTH THE BOTTOM RAIL AND TOP RAIL WILL NOT NEED TO BE CUT.
- » IN ADDITION, AT ALL FINAL END POST CONFIGURATIONS, TOP RAIL WILL NEED TO BE MEASURED (MAKING SURE BALUSTERS LINE UP VERTICALLY) AND CUT.
- » SEE INFORMATION WITHIN DETAILED INSTRUCTIONS FOR MORE INFORMATION.

### PARTS



### BALUSTER OPTIONS



### DETERMINING BALUSTERS NEEDED

Baluster Type	Per 6' Section	Per 8' Section	Per 6' Stair Section	Per 8' Stair Section
Square	15	20	13	17
Round	15	20	13	17

**NOTE: THIS IS AN OVERVIEW OF ALL RAILING COMPONENTS FOR REVEAL HORIZONTAL APPLICATIONS – REFER TO DETAILED INSTRUCTIONS FOR SPECIFIC RAILING CONFIGURATIONS.**

- A. Reveal top rail and crowned cover
  - 6' (actual length 73.5" [186.7 cm])
  - 8' (actual length 97.5" [247.7 cm])
- B. Reveal bottom rail and flat cover
  - 6' Rail (actual length 71.5" [181.6 cm])
  - 6' Cover (actual length 70.0" [177.8 cm])
  - 8' Rail (actual length 95.5" [242.6 cm])
  - 8' Cover (actual length 94.0" [238.8 cm])
- C. Reveal upper rail bracket and cover
- D. Reveal lower rail bracket and cover
- E. Reveal balusters (square or round)
- F. Reveal center baluster (square or round)
- G. Reveal foot block\*\*
- H. Reveal post skirt or post sleeve skirt\*
- I. Reveal post\*
  - (2" or 2.5" depending on application)
  - 36" (actual length 37" [94.0 cm])
  - 42" (actual length 43" [109.2 cm])
  - or Trex 4" x 4" post sleeve\*
  - 36" (actual length 39" [99.1 cm])
  - 42" (actual length 45" [114.3 cm])
- J. Reveal crossover post\*
  - 36" (actual length 34.5" [87.6 cm])
  - 42" (actual length 40.5" [102.9 cm])
- K. Reveal post cap or post sleeve cap\*
- L. Trex decking
- M. TrexTrim™ or Trex™ Fascia
- N. Code-approved wood joist 2" x 8" (5.1 cm x 20.3 cm) or larger
- O. Code-approved wood rim joist 2" x 8" (5.1 cm x 20.3 cm) or larger
- P. Crossover bracket cover (supplied with crossover post)

\* Item not included in Reveal Railing kits. Both 4" x 4" (10.2 cm x 10.2 cm) and 6" x 6" (15.2 cm x 15.2 cm) post sleeves are designed to fit over 4" x 4" pressure-treated post.

\*\* Required ONLY for All Clear Span Applications over 6' (1.83 m) when smaller fixed baluster is fully centered, or unsupported spans greater than 5' (1.52 m) (example: 8' (2.44 m) span cut into one 5' (1.52 m) span and one 3' (0.91 m) span would require foot block under 5' (1.52 m) span since smaller fixed baluster is no longer centered). Included with 8' (2.44 m) railing kits.

**NOTE:** If installing 42" (106.7 cm) railing, and using pressure-treated posts with Trex post sleeves, ensure that a longer pressure-treated post is used along with longer post sleeve, both cut to a height of 46" (116.8 cm) from decking surface.

**NOTE: MUST USE TREX DECK MOUNT POST HARDWARE AND METAL PLATE WHEN ATTACHING REVEAL POSTS.**

# TREX REVEAL® RAILING

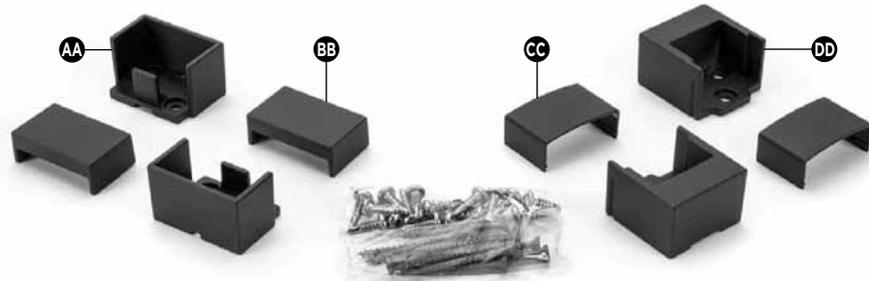
## Installation Instructions

### BRACKET HARDWARE - HORIZONTAL APPLICATIONS (INCLUDING HORIZONTAL SWIVEL BRACKETS)

TREX REVEAL®

#### HORIZONTAL RAILING HARDWARE

- AA. Lower rail bracket
- BB. Lower rail bracket cover
- CC. Upper rail bracket cover
- DD. Upper rail bracket



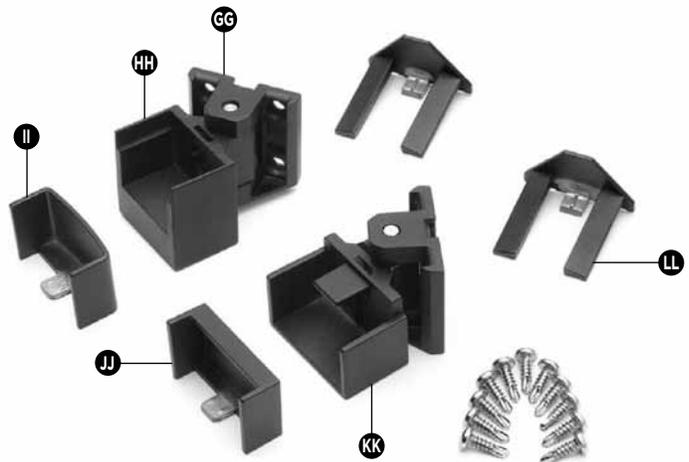
#### FOOT BLOCK COMPONENTS

- EE. Foot block base
- FF. Foot block support



#### HORIZONTAL SWIVEL HARDWARE

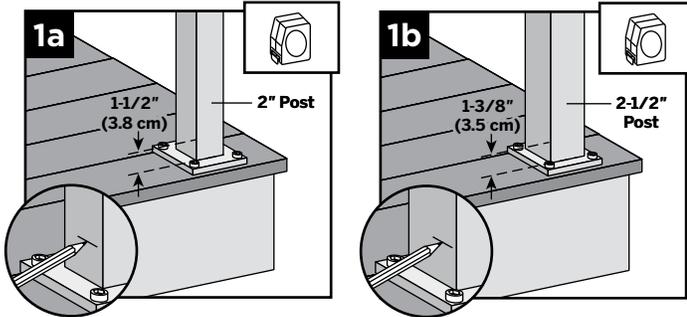
- GG. Swivel base
- HH. Horizontal swivel bracket top rail
- II. Horizontal swivel bracket top rail cover
- JJ. Horizontal swivel bracket bottom rail cover
- KK. Horizontal swivel bracket bottom rail
- LL. Swivel base cover



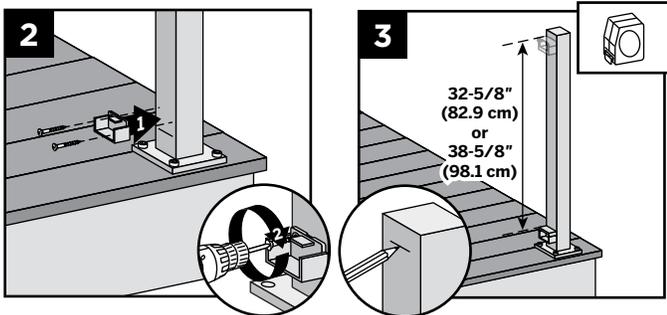
## HOW TO INSTALL HORIZONTAL RAILING TREX REVEAL®

### Attach Brackets Using Reveal Posts

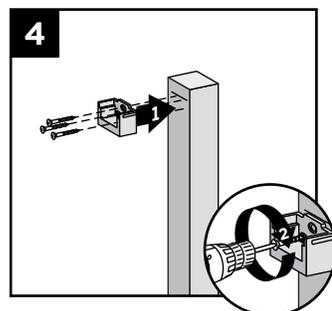
**TIP:** Use a clamp to help hold brackets in place while fastening with screws.



- 1a. When using 2" post, for both post-to-post and post-to-crossover post configurations, measure 1-1/2" (3.8 cm) up from top of post base plate (or 1-7/8" [4.8 cm] from decking surface). Mark with light line.
- 1b. When using 2.5" post, measure 1-3/8" (3.5 cm) from top of post base plate or 1-7/8" (4.8 cm) from decking surface. Mark with light line.



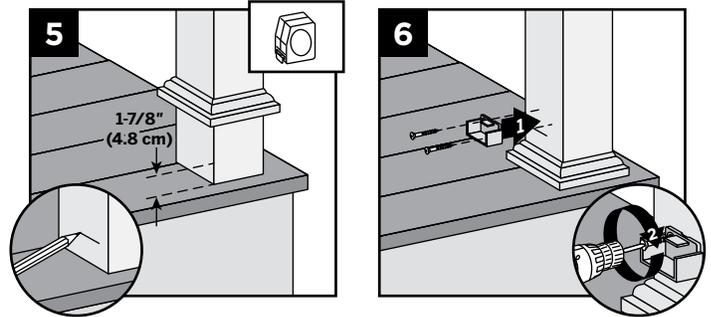
2. Center lower bracket on post **above** the marked line and attach using two self-tapping screws (*provided*).
3. Measure up 32-5/8" (82.9 cm) for 36" (91.4 cm) tall railing or 38-5/8" (98.1 cm) for 42" (106.7 cm) tall railing from top of lower rail bracket. Mark with a light line.
4. Center upper bracket on post **below** marked line and attach using (3) self-tapping screws (*provided*).



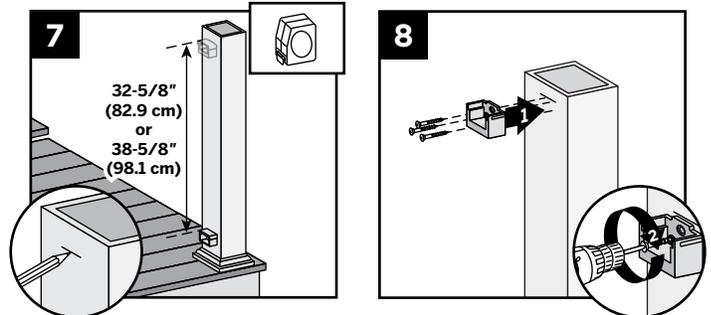
**NOTE:** Upper bracket is not required on crossover post configuration.

### Attach Brackets Using Pressure Treated Posts and Post Sleeves

**TIP:** Use a clamp to help hold brackets in place while fastening with screws.



5. Measure 1-7/8" (4.8 cm) up from deck surface to bottom of bracket. Slide skirt up to allow for proper measurement, then push skirt back down onto surface of decking **BEFORE ATTACHING BRACKET**. Mark with light line.
6. Center lower bracket on post **above** the marked line and attach using two 2" (5.1 cm) wood screws (*provided*).



7. Measure up 32-5/8" (82.9 cm) for 36" (91.4 cm) tall railing or 38-5/8" (98.1 cm) for 42" (106.7 cm) tall railing from top of lower rail bracket. Mark with a light line.
8. Center upper bracket on post **below** marked line and attach using three 2" (5.1 cm) wood screws (*provided*).

# TREX REVEAL® RAILING

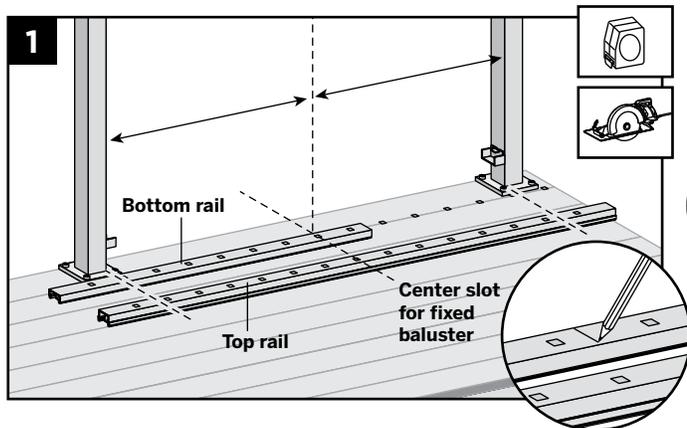
## Installation Instructions

### HOW TO INSTALL HORIZONTAL RAILING/CONTINUED TREX REVEAL®

#### NOTES:

- » REVEAL RAILINGS ARE DESIGNED TO BE ATTACHED WITH POSTS INSTALLED AT A CLEAR SPAN OF 6' (1.83 M) OR 8' (2.44 M).
- » IF INSTALLING AT EXACT SPAN LENGTHS OF 6' (1.83 M) OR 8' (2.44 M), AND USING POST-TO-POST CONFIGURATION, THE BOTTOM RAIL WILL NOT NEED TO BE CUT, BUT THE TOP RAIL WILL NEED TO BE MEASURED (MAKING SURE BALUSTERS LINE UP VERTICALLY) AND CUT.
- » IF INSTALLING AT EXACT SPAN LENGTHS OF 6' (1.83 M) OR 8' (2.44 M), AND USING CROSSOVER POST CONFIGURATION (SPANS FROM ONE CROSSOVER POST TO ANOTHER CROSSOVER POST), BOTH THE BOTTOM RAIL AND TOP RAIL WILL NOT NEED TO BE CUT.
- » IN ADDITION, AT ALL FINAL END POST CONFIGURATION, TOP RAIL WILL NEED TO BE MEASURED (MAKING SURE BALUSTERS LINE UP VERTICALLY) AND CUT.
- » FOR ODD SPAN LENGTHS, BOTH TOP RAIL AND BOTTOM RAIL WILL NEED TO BE MEASURED (MAKING SURE BALUSTERS LINE UP VERTICALLY) AND CUT. ENSURE THAT BALUSTERS ARE SPACED WITH AN EQUAL DISTANCE ON EACH SIDE OF THE POST.
- » WHEN RAILINGS ARE CUT TO ODD SPANS, ALL SPANS GREATER THAN 5' (1.52 M) (EXAMPLE: 8' (2.44 M) SPAN CUT INTO ONE 5' (1.52 M) SPAN AND ONE 3' (0.91 M) SPAN) WOULD REQUIRE FOOT BLOCK UNDER 5' (1.52 M) SPAN SINCE SMALLER FIXED BALUSTER IS NO LONGER CENTERED).

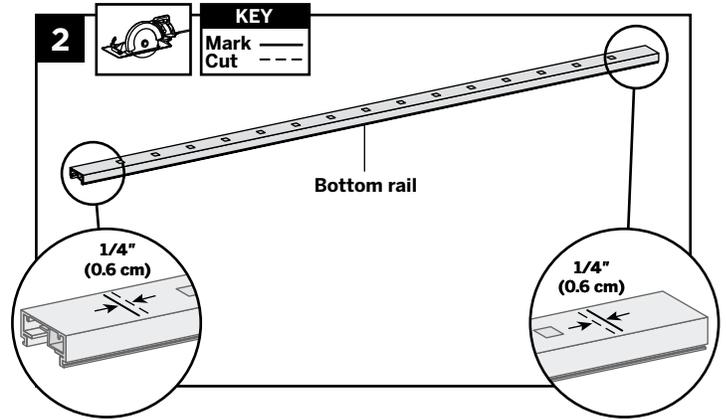
#### How to Measure and Cut Bottom and Top Railings (WHEN REQUIRED)



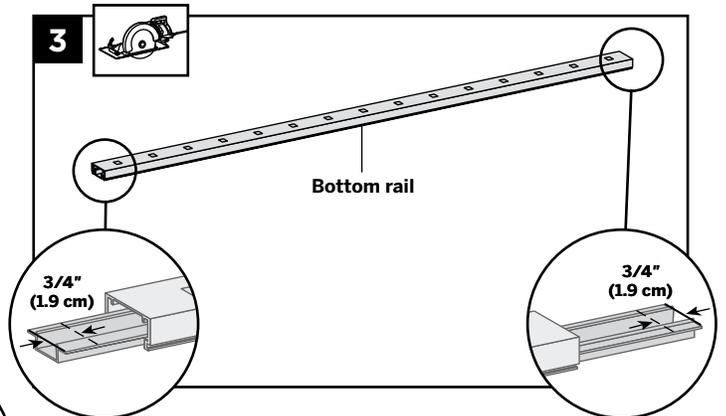
1. Position bottom and top rails between posts and align with bottom bracket. Align the center baluster slot in both rails with the middle of the span between posts.\* This will allow an equal number of baluster holes on each side of center slot. Mark bottom rail and top rail at each end (ensure both rails are centered between posts).

\* In some cases due to odd railing spans, the center baluster may need to be offset in one direction to ensure there is enough room at both post locations for balusters to be placed, review this BEFORE cutting any railings to ensure all balusters are equally spaced.

#### Cutting Bottom Rail and Bottom Rail Cover

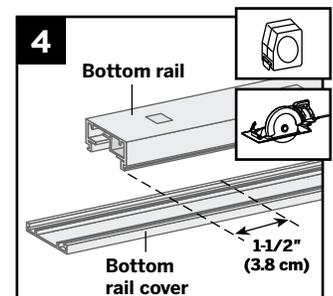


2. Cut each end of bottom rail 1/4" (0.6 cm) shorter than mark on each end to allow for fit into bottom rail brackets.



3. Slide rail insert out and cut 3/4" (1.9 cm) FROM EACH SIDE of insert, then slide back inside rail and center.

4. Mark and cut bottom rail cover 1-1/2" (3.8 cm) shorter than bottom rail.



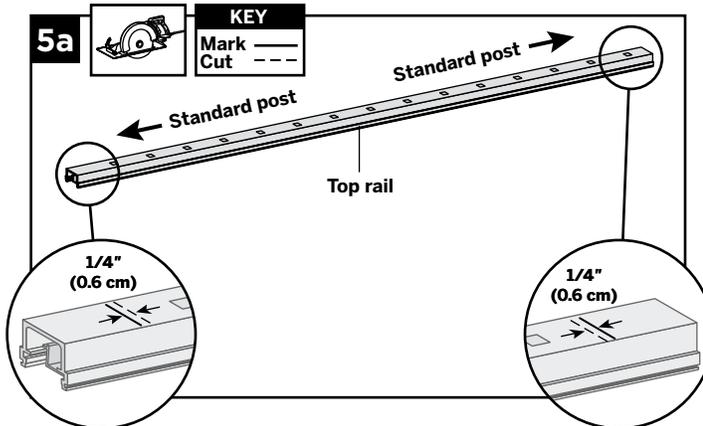
## HOW TO INSTALL HORIZONTAL RAILING/CONTINUED

TREX REVEAL®

### Cutting Top Rail

#### Option 1:

For Post-to-Post Configuration

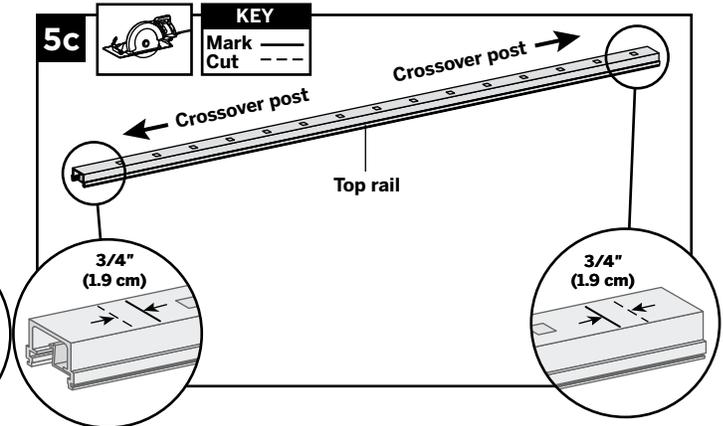


5a. Cut each end of top rail 1/4" (0.6 cm) shorter than mark to allow for fit into top rail brackets.

### Cutting Top Rail

#### Option 3:

For Crossover-Post-to-Crossover-Post Configuration

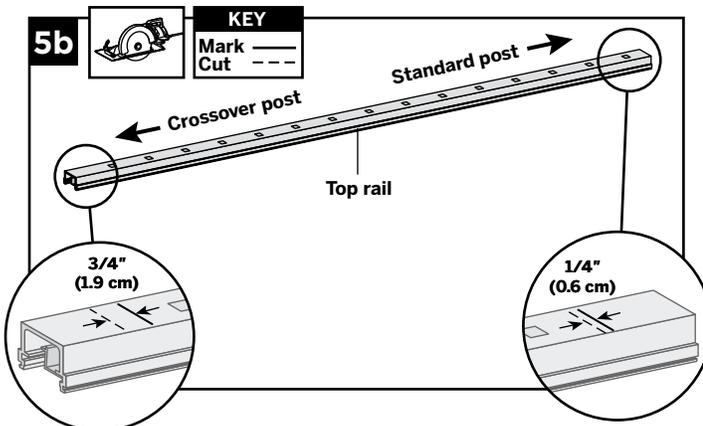


5c. Cut each end of top rail 3/4" (1.9 cm) **LONGER** than the mark to allow for fit into the crossover post bracket on each side.

### Cutting Top Rail

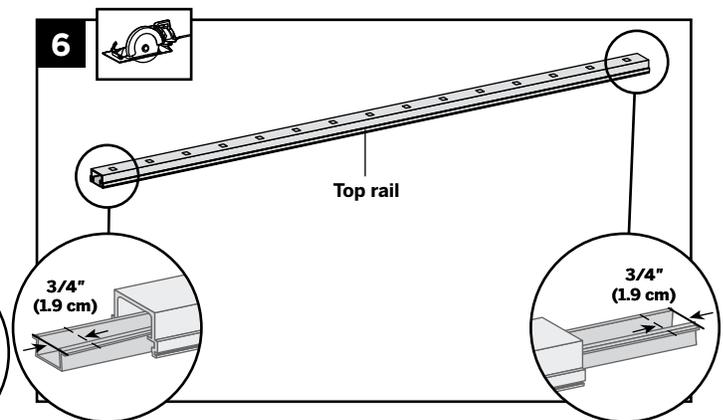
#### Option 2:

For Post-to-Crossover-Post Configuration



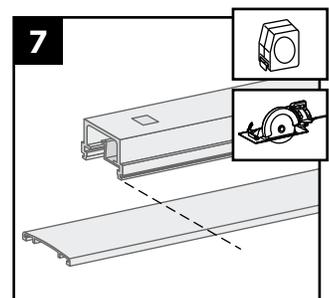
5b. Top rail must be cut differently on each side of the rail. Railing side that attaches to standard post should be cut 1/4" (0.6 cm) shorter than the mark to allow for fit into top rail bracket. Railing side that attaches to the crossover post should be cut 3/4" (1.9 cm) **LONGER** than the mark to allow for fit into the crossover post bracket.

### Cutting Top Rail Insert and Cover



6. Slide rail insert out and cut 3/4" (1.9 cm) **FROM EACH SIDE** of insert, then slide back inside rail and center.

7. Mark and cut top rail cover same length as top rail for all top rail configurations.



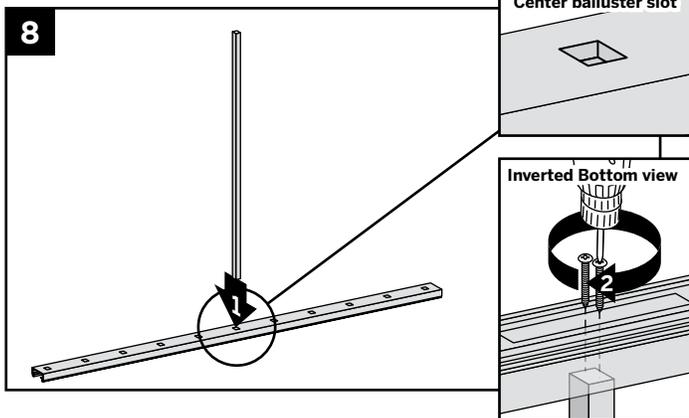
# TREX REVEAL® RAILING

## Installation Instructions

### HOW TO INSTALL HORIZONTAL RAILING/CONTINUED

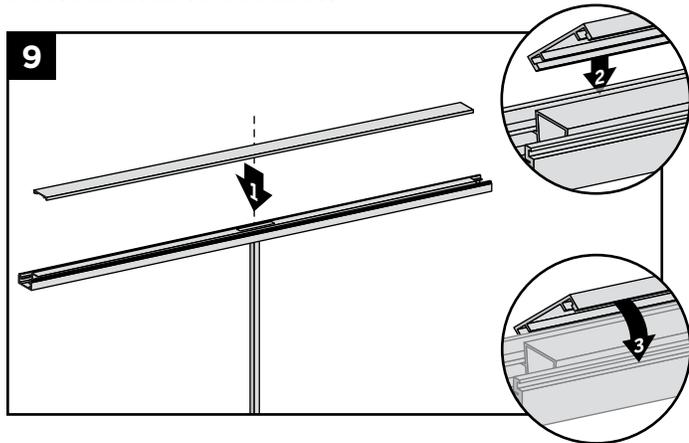
TREX REVEAL®

#### Attaching Center Baluster to Bottom Rail

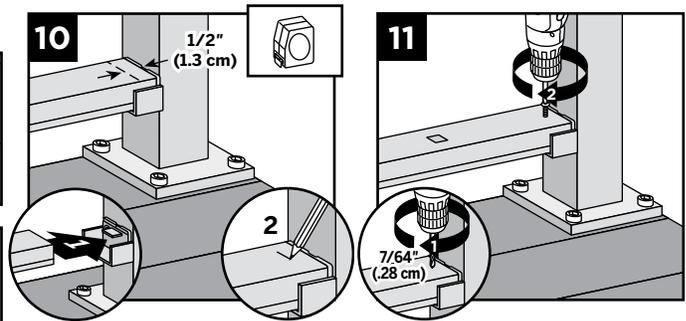


8. Attach shorter, center baluster in center slot in bottom rail using two #8 x 1-1/4" (3.2 cm) screws (provided).

#### Attaching Bottom Rail Cover and Bottom Rail to Brackets



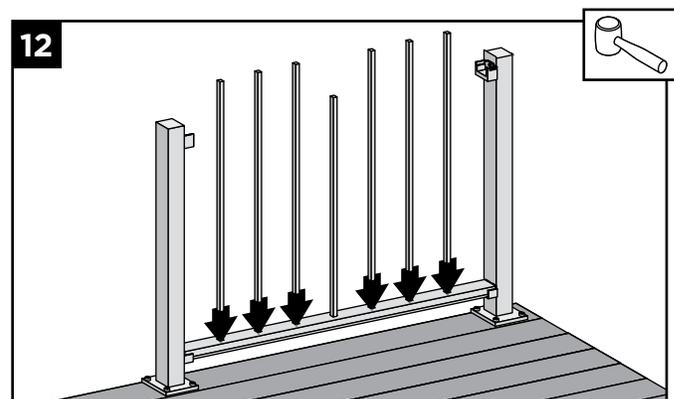
9. Attach "flat" bottom rail cover to bottom rail by first centering cover on bottom rail (this will allow gap on each end of bottom rail for placement into brackets). Align cover on one side of bottom rail in slot on side of rail. Then starting from one end of rail snap cover onto opposing slot working down the length of rail. In some cases, a **rubber mallet** may facilitate the fastening using **GENTLE** tapping.



10. Set bottom rail into bottom brackets. Tabs on brackets will be inside of bottom rail (not shown when railing is attached). To ensure fit into tab, measure and mark 1/2" (1.3 cm) out from side of post.
11. Attach bottom rail to bottom bracket by fastening through marked measurement on top of rail into tab on bottom bracket using one self-tapping screw each side (provided).

**NOTE: Pre-drilling is recommended (7/64" [0.28 cm] drill bit) for attachment of railing to bracket.**

#### Installing Remaining Balusters into Bottom Rail

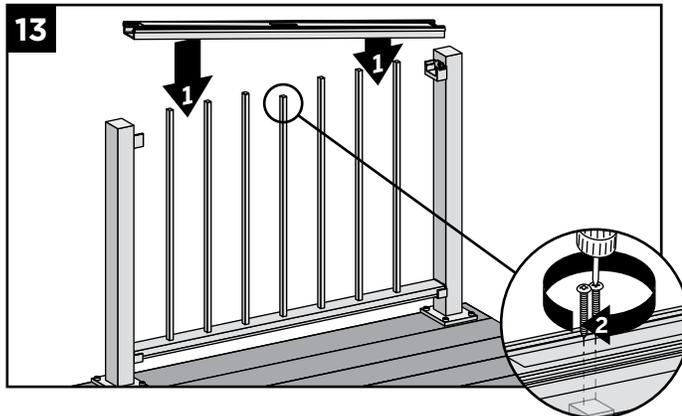


12. Place remaining balusters into holes in lower rail by snapping fully into place. In some cases, a **rubber mallet** may facilitate the fastening using **GENTLE** tapping.

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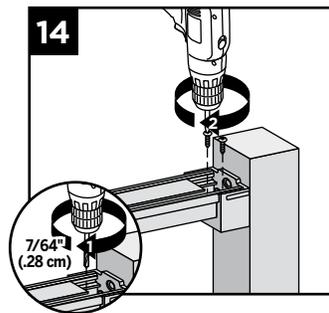
## HOW TO INSTALL HORIZONTAL RAILING/CONTINUED TREX REVEAL®

### Attach Upper Railings



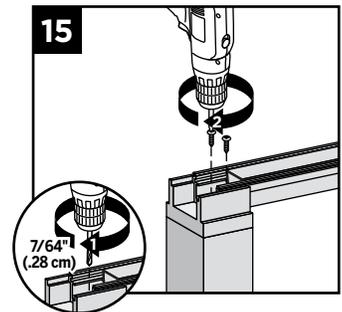
13. Working from one end of upper rail, snap balusters into upper rail working down length of rail. Fasten center baluster into center slot using two #8 x 1-1/4" (3.2 cm) screws (provided).

14. For post- to-post configuration, fasten upper rail to each bracket by installing screws diagonally through upper rail into bracket using two self-tapping screws each side (provided).

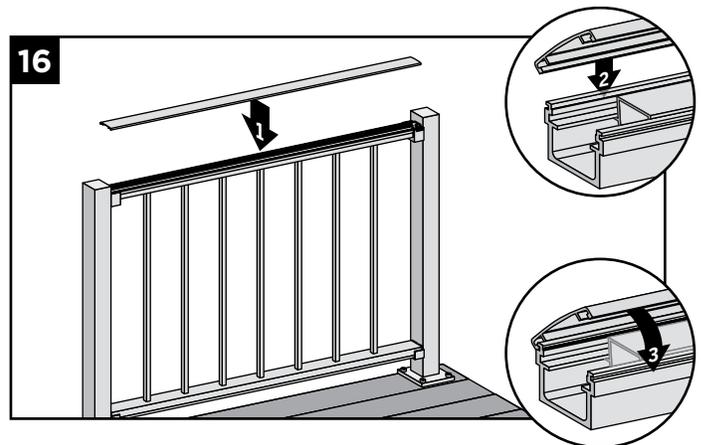


**NOTE: Pre-drilling is recommended (7/64" [0.28 cm] drill bit) for attachment of railing to bracket.**

15. For crossover post configuration, fasten upper rail to crossover post by installing screws diagonally through upper rail into post using two self-tapping screws each side (provided).



**NOTE: Pre-drilling is recommended (7/64" [0.28 cm] drill bit) for attachment of railing to post.**



16. Attach "crowned" upper rail cover to upper rail by aligning cover on one side of rail. Then starting from one end of rail, snap cover onto opposing slot working down length of rail. A **rubber mallet** may facilitate the fastening using **GENTLE** tapping.

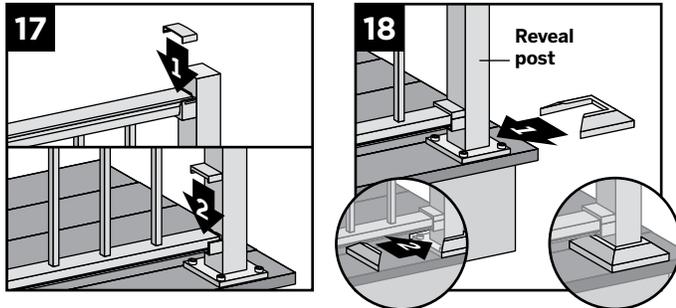
# TREX REVEAL® RAILING

## Installation Instructions

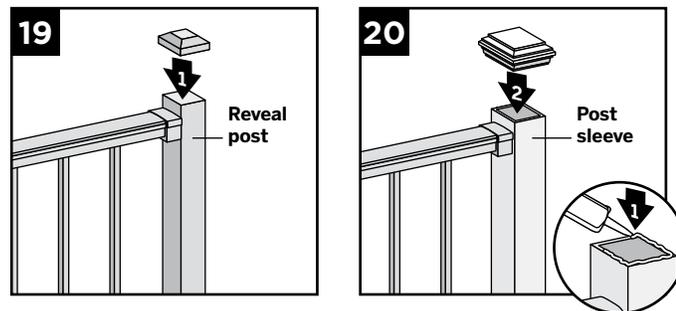
### HOW TO INSTALL HORIZONTAL RAILING/CONTINUED

TREX REVEAL®

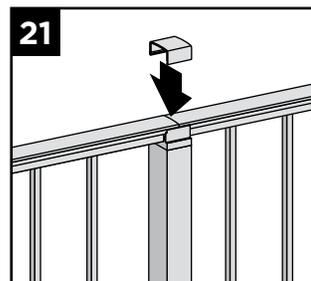
#### Attachment of Bracket Covers, Skirts, and Caps



17. Attach corresponding bracket covers over opening in upper and bottom rails.
18. Attach provided post skirt to bottom of posts when using Reveal posts.



19. Attach post caps to Reveal posts (use of **rubber mallet** may be required for secure attachment).
20. Attach post caps to post sleeves using external grade PVC construction adhesive.
21. For crossover post configuration, attach crossover post cap to crossover post.

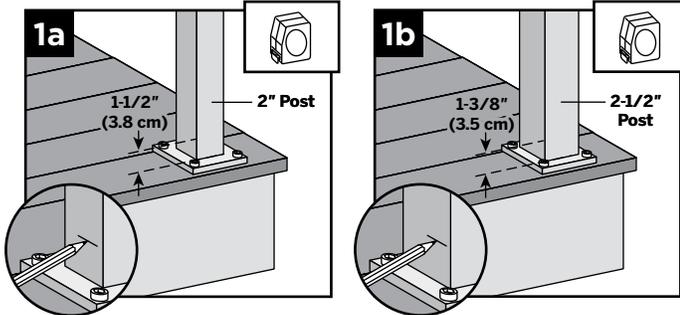


# INSTALLATION OF HORIZONTAL SWIVEL BRACKETS

TREX REVEAL®

## Attach Swivel Bracket Base using Reveal Posts

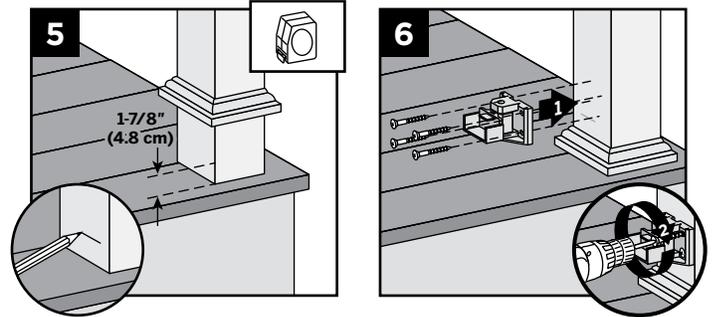
**TIP:** Use a clamp to help hold brackets in place while fastening with screws.



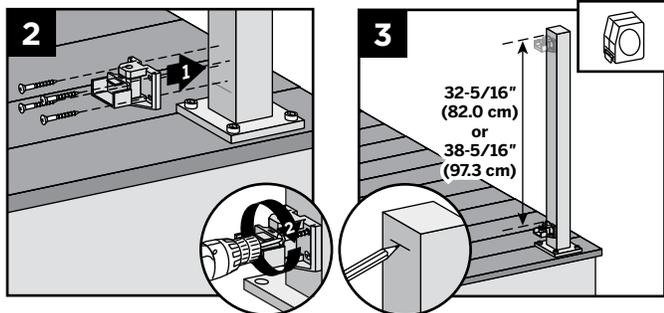
- 1a. When using 2" post, for both post-to-post and post-to-crossover-post configurations, measure 1-1/2" (3.8 cm) up from top of post base plate (or 1-7/8" [4.8 cm] from decking surface). Mark with light line.
- 1b. When using 2.5" post, measure 1-3/8" (3.5 cm) from top of post base plate (or 1-7/8" (4.8 cm) from decking surface). Mark with light line.

## Attach Brackets Using Pressure Treated Posts and Post Sleeves

**TIP:** Use a clamp to help hold brackets in place while fastening with screws.

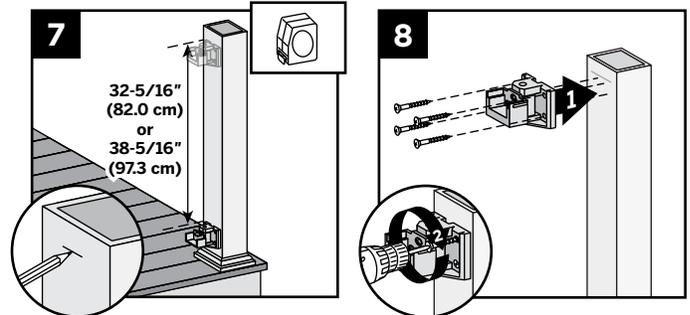
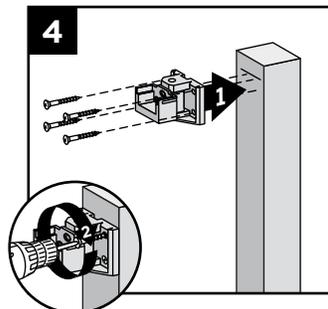


5. Measure 1-7/8" (4.8 cm) up from deck surface to bottom of bracket. Slide skirt up to allow for proper measurement, then push skirt back down onto surface of decking **BEFORE ATTACHING BRACKET**. Mark with light line.
6. Center lower bracket on post **above** the marked line and attach using four 2" (5.1 cm) wood screws (provided).



2. Center lower bracket on post **above** the marked line and attach using four self-tapping screws (provided).
3. Measure up 32-5/16" (82.0 cm) for 36" (91.4 cm) tall railing or 38-5/16" (97.3 cm) for 42" (106.7 cm) tall railing from top of lower rail bracket. Mark with a light line.
4. Center upper bracket on post **below** marked line and attach using four self-tapping screws (provided).

**NOTE:** Upper bracket is not required on crossover post configuration.



7. Measure up 32-5/16" (82.0 cm) for 36" (91.4 cm) tall railing or 38-5/16" (97.3 cm) for 42" (106.7 cm) tall railing from top of lower rail bracket. Mark with a light line.
8. Center upper bracket on post **below** marked line and attach using four 2" (5.1 cm) wood screws (provided).

# TREX REVEAL® RAILING

## Installation Instructions

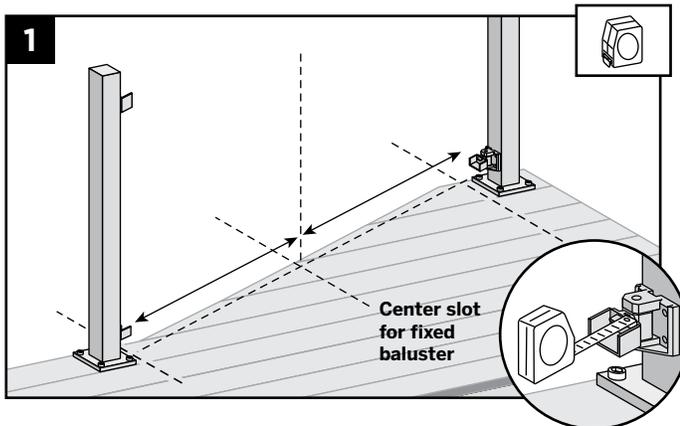
### INSTALLATION OF HORIZONTAL SWIVEL RAILING

TREX REVEAL®

#### NOTES:

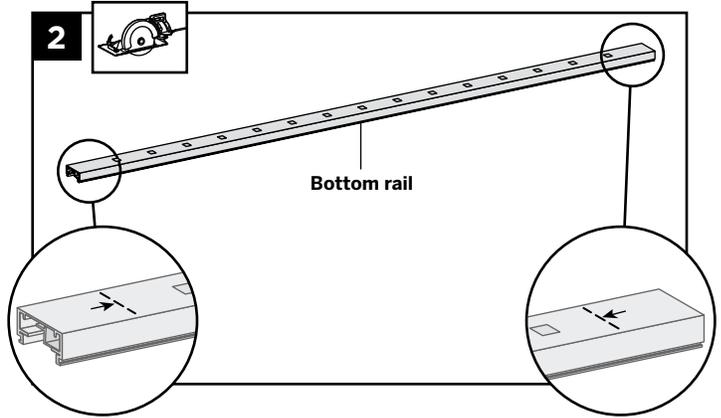
- » WHEN USING REVEAL HORIZONTAL SWIVEL BRACKETS BOTH BOTTOM AND TOP RAILS WILL NEED TO BE MEASURED AND CUT TO APPROPRIATE LENGTHS.
- » HORIZONTAL SWIVEL BRACKETS CAN BE USED UP TO A 50° ANGLE FOR REVEAL RAILINGS.
- » WHEN USING HORIZONTAL SWIVEL BRACKETS VERY IMPORTANT TO LAY OUT LOCATION AND ORIENTATION OF POSTS AND SWIVEL BRACKETS BEFORE INSTALLING SWIVEL BRACKETS.
- » WHEN RAILINGS ARE CUT TO ODD SPANS, ALL SPANS GREATER THAN 5' (1.52 M) (EXAMPLE: 8' (2.44 M) SPAN CUT INTO ONE 5' (1.52 M) SPAN AND ONE 3' (0.91 M) SPAN) WOULD REQUIRE FOOT BLOCK UNDER 5' (1.52 M) SPAN SINCE SMALLER FIXED BALUSTER IS NO LONGER CENTERED).

#### How to Measure and Cut Bottom and Top Railings

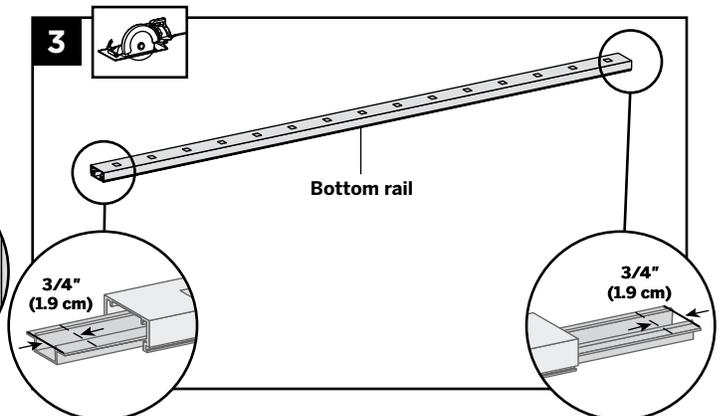


1. With brackets in correct swivel location, measure distance from inside of bracket to inside of bracket. ENSURE THAT BEFORE CUTTING, BALUSTERS HOLES ON BOTH BOTTOM AND TOP RAIL LINE UP. ALSO MAKE SURE CENTER BALUSTER SLOT IS AS CLOSE TO THE MIDDLE OF THE SPAN AS POSSIBLE. In some cases due to odd railing spans, the center baluster may need to be offset in one or the other direction to ensure there is enough room at both post locations for balusters to be placed.

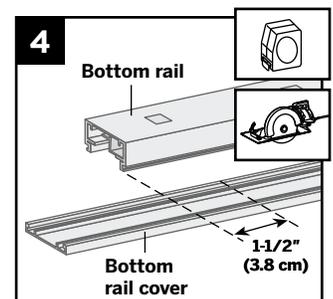
#### Cutting Bottom Rail and Bottom Rail Cover



2. Cut bottom rail to the measurement between the bottom swivel brackets



3. Slide rail insert out and cut 3/4" (1.9 cm) FROM EACH SIDE of insert, then slide back inside rail and center.
4. Mark and cut bottom rail cover 1-1/2" (3.8 cm) shorter than bottom rail.



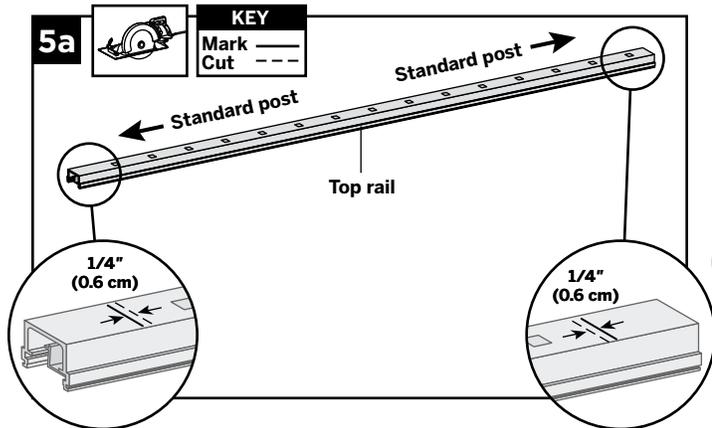
## INSTALLATION OF HORIZONTAL SWIVEL RAILING/CONTINUED

TREX REVEAL®

### Cutting Top Rail

#### Option 1:

For Post-to-Post Configuration

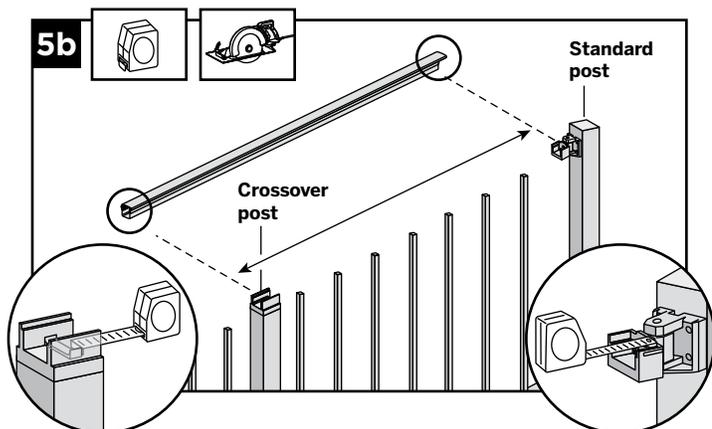


5a. Cut top rail to the measurement between the top swivel brackets. For standard-post-to-standard-post configurations this would be same dimensions as that of the bottom rail.

### Cutting Top Rail

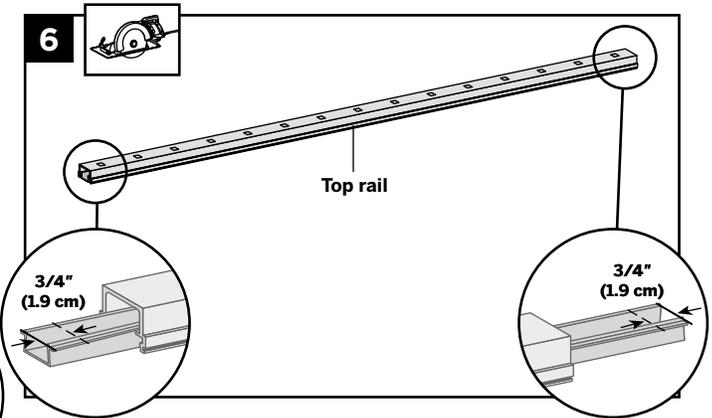
#### Option 2:

For Post-to-Crossover-Post Configuration



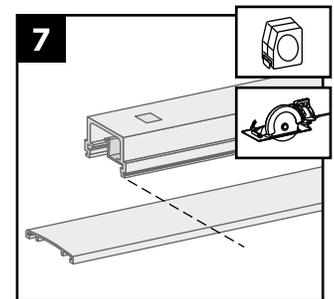
5b. When going from standard-post-to-crossover-post, measurement must be taken from inside of top horizontal swivel bracket to inside lip of crossover bracket (which is attached to top of crossover post).

### Cutting Top Rail Insert and Cover



6. Slide rail insert out and cut 3/4" (1.9 cm) **FROM EACH SIDE** of insert, then slide back inside rail and center.

7. Mark and cut top rail cover same length as top rail for all top rail configurations.



8. **Attaching Center Baluster to Bottom Rail**  
See instructions on page 6.

9. **Attaching Bottom Rail Cover and Bottom Rail to Brackets**  
See instructions on page 6.

10. **Installing Remaining Balusters into Bottom Rail**  
See instructions on page 6.

11. **Attach Upper Railings**  
See instructions on page 7.

12. **Attachment of Bracket Covers, Skirts, and Caps**  
See instructions on page 8.

13. **Attachment of Foot Block (Required ONLY for All Clear Span Applications Over 6' [1.83 m])**  
See instructions on page 12.

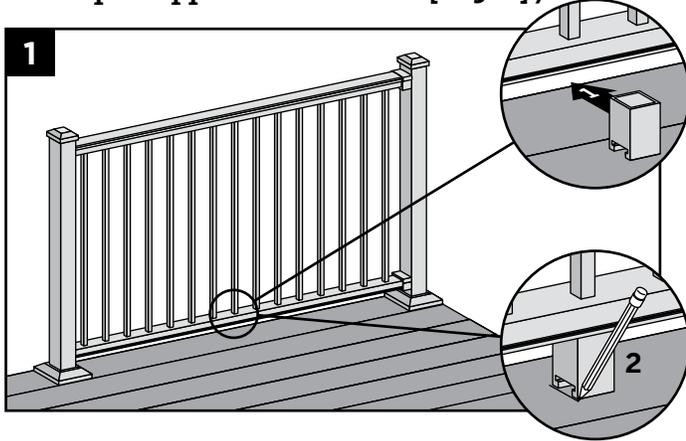
# TREX REVEAL® RAILING

## Installation Instructions

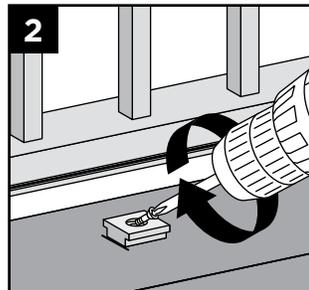
### HOW TO INSTALL FOOT BLOCKS-HORIZONTAL RAILING

TREX REVEAL®

**Attachment of Foot Block (Required ONLY for All Clear Span Applications Over 6' [1.83 m])**



1. To ensure correct location, place foot block under center of bottom rail. Mark to provide placement location of base.
2. Place base (smaller side facing down) on decking surface. Attach base of foot block using one screw at an angle through base and into decking.



**NOTE: Pre-drilling is recommended (1/8" [0.32 cm] drill bit) for attachment of base.**

3. After attached, use a **rubber mallet along with scrap piece of wood** to tap foot block until it locks into place.

