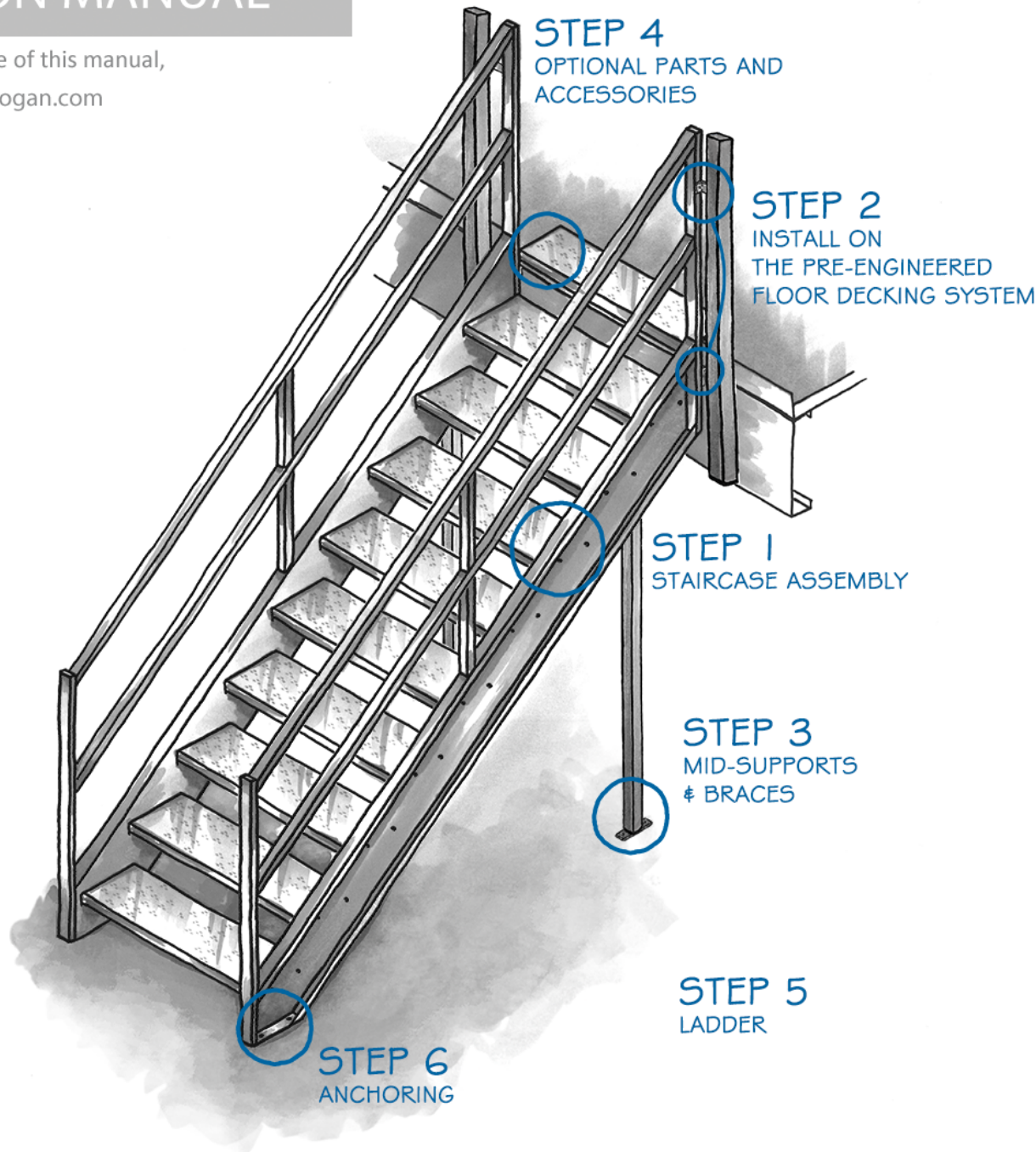


INSTALLATION MANUAL

For the most current release of this manual,
please visit our website at cogan.com

V.2017.1



Product

Pre-Engineered Floor Decking System

Sub-product

Staircase

- 4 Models of staircase available: 2 rails, 3 rails, 3 rails with inner rail and 3 rails with wire mesh panels and inner rail.

- Handrails is factory welded to the stringer

- Steps are bolted to stringer



A Tradition of Quality Since 1901

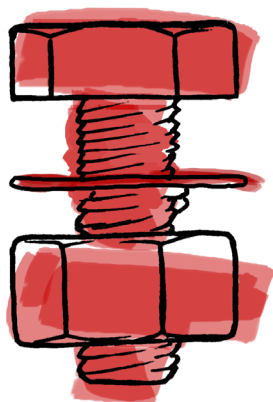
cogan.com



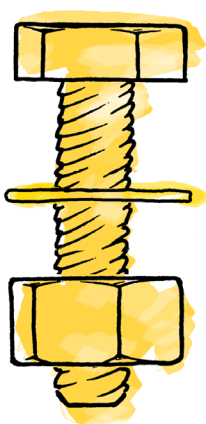
$\varnothing 3/8'' \times 2 \ 3/4''$ BOLT
(ANCHOR)



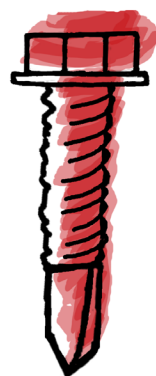
$\varnothing 1/4'' \times 1''$ FLAT
HEAD TEK SCREW



$\varnothing 3/8'' \times 1''$ BOLT



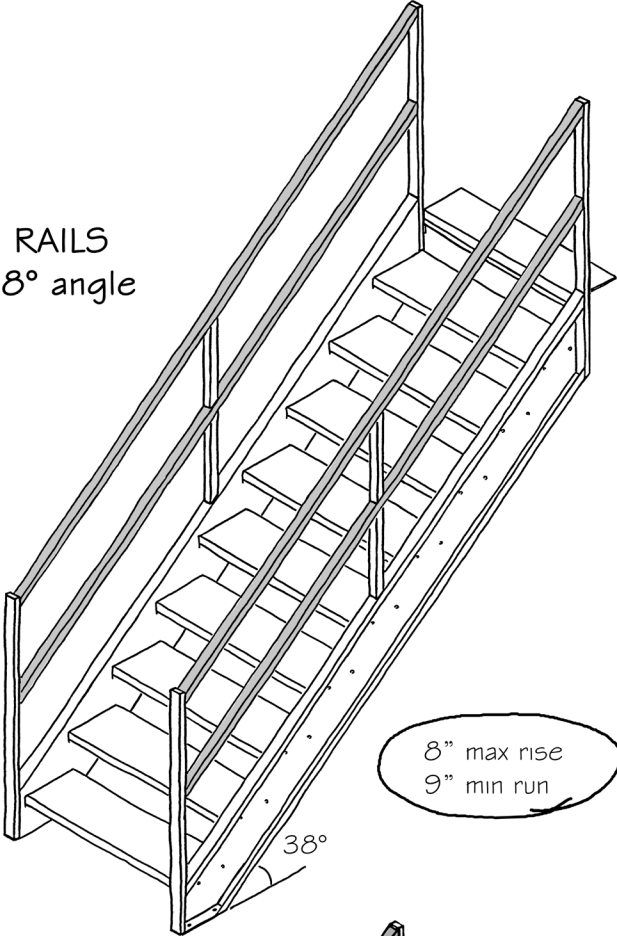
$\varnothing 3/8'' \times 1 \ 3/4''$
BOLT



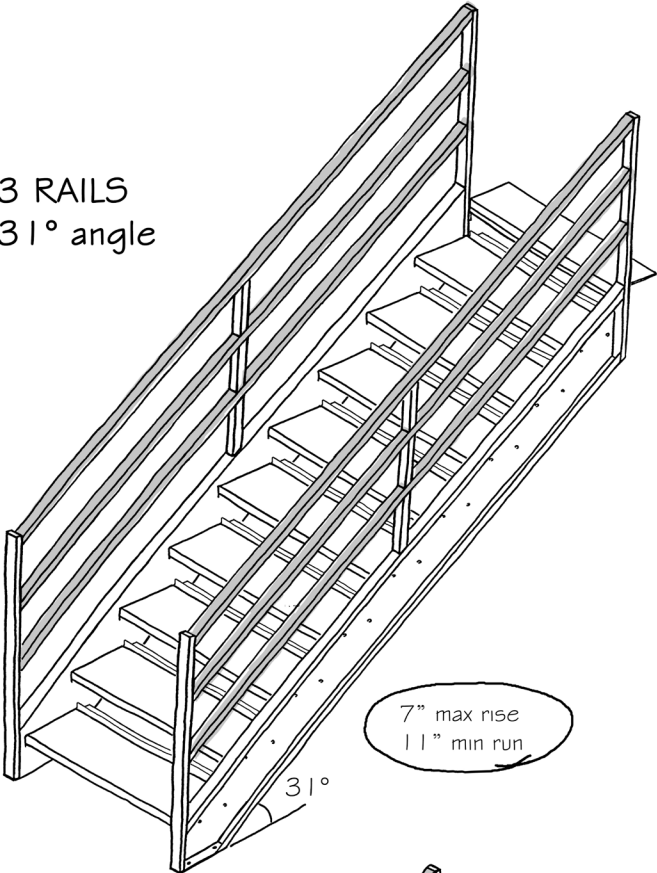
$\varnothing 1/4'' \times 1''$ HEX
HEAD TEK SCREW

4 MODELS ARE AVAILABLE

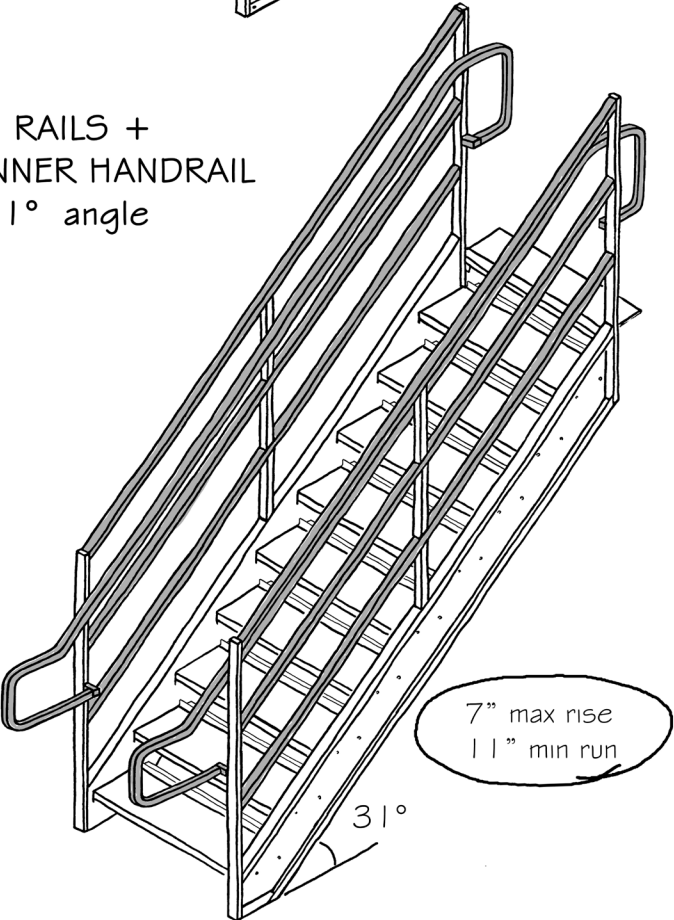
2 RAILS
38° angle



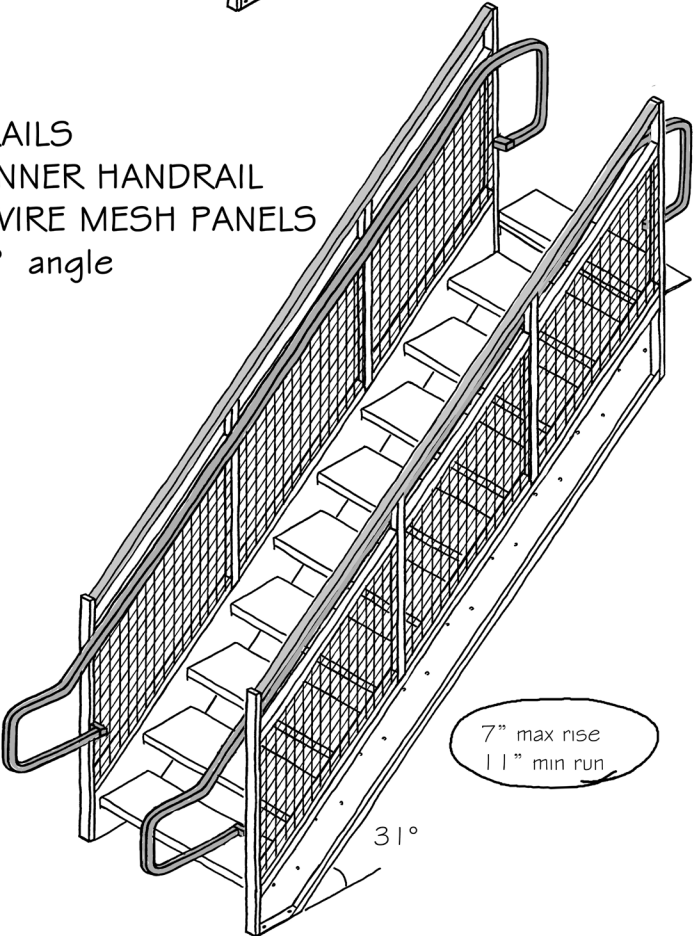
3 RAILS
31° angle



3 RAILS +
INNER HANDRAIL
31° angle

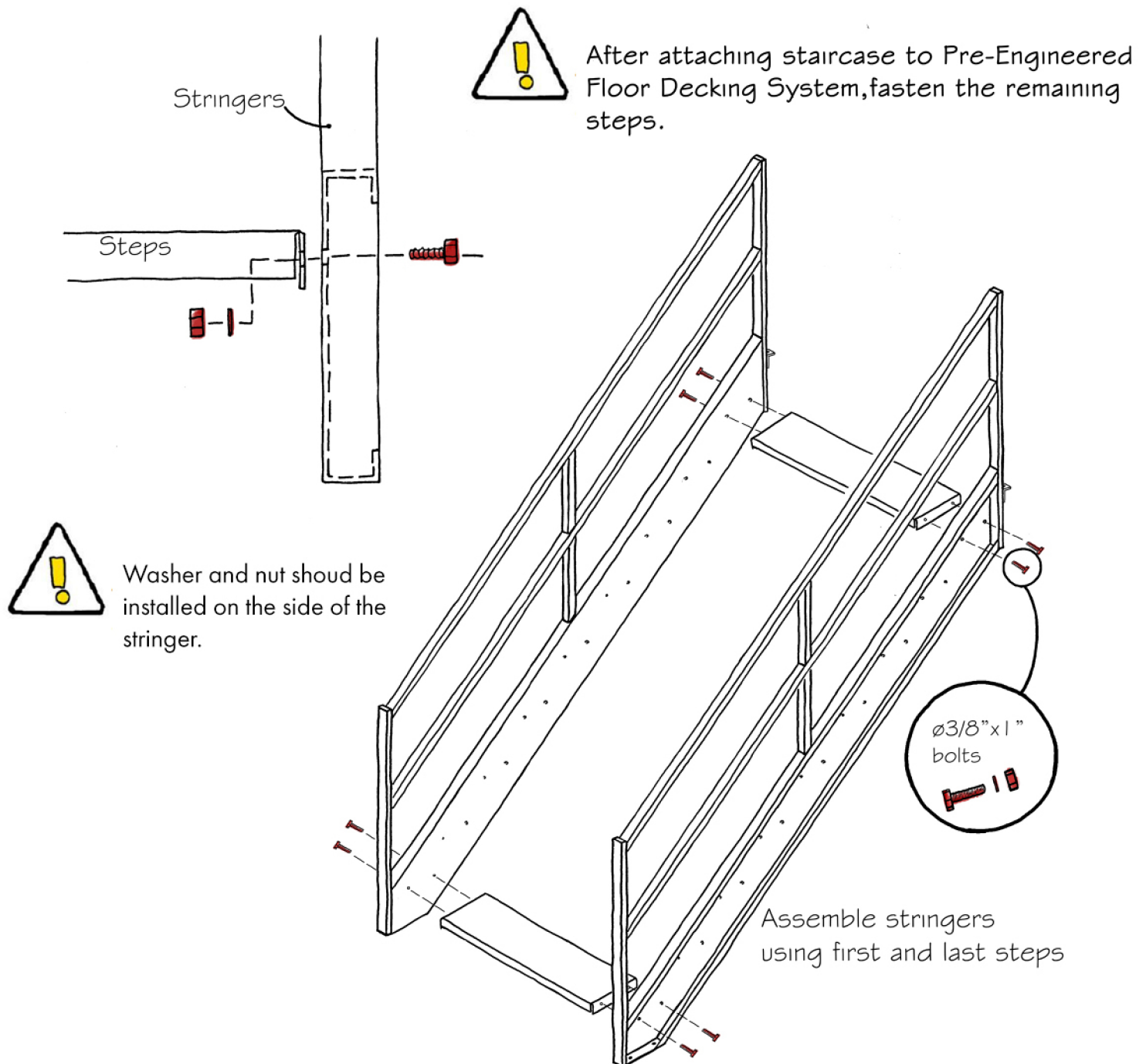


2 RAILS
+ INNER HANDRAIL
+ WIRE MESH PANELS
31° angle



STEP 1

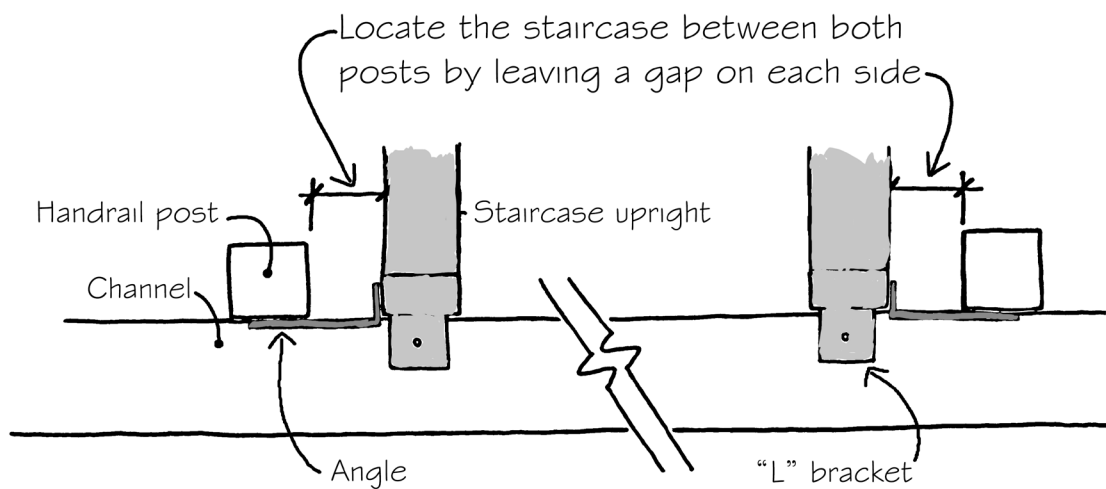
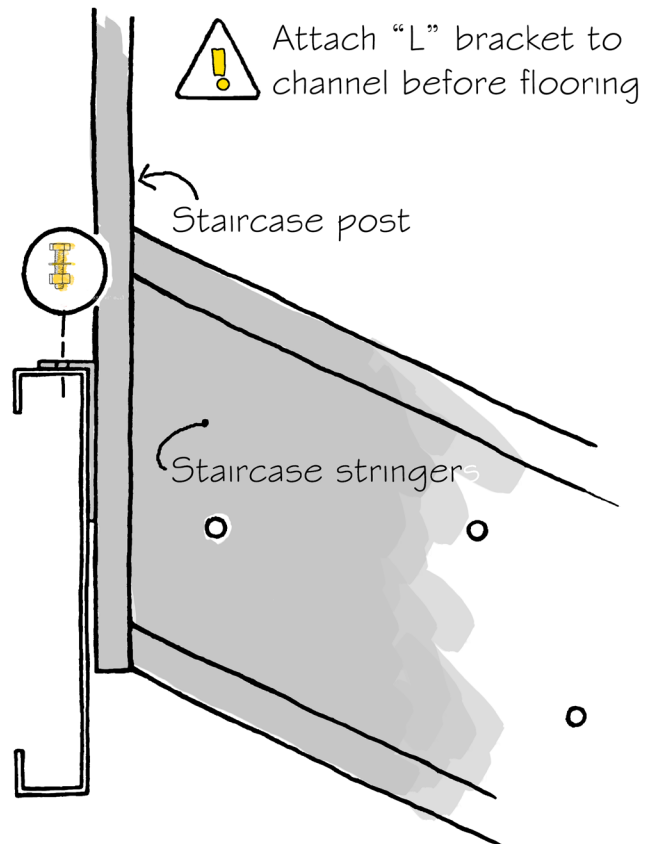
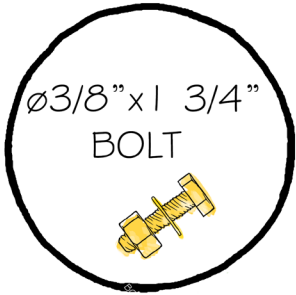
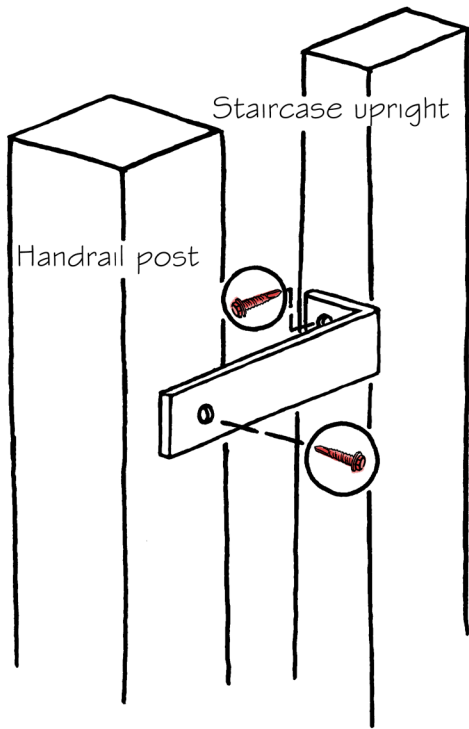
ASSEMBLING STEPS WITH STRINGERS



STEP 2

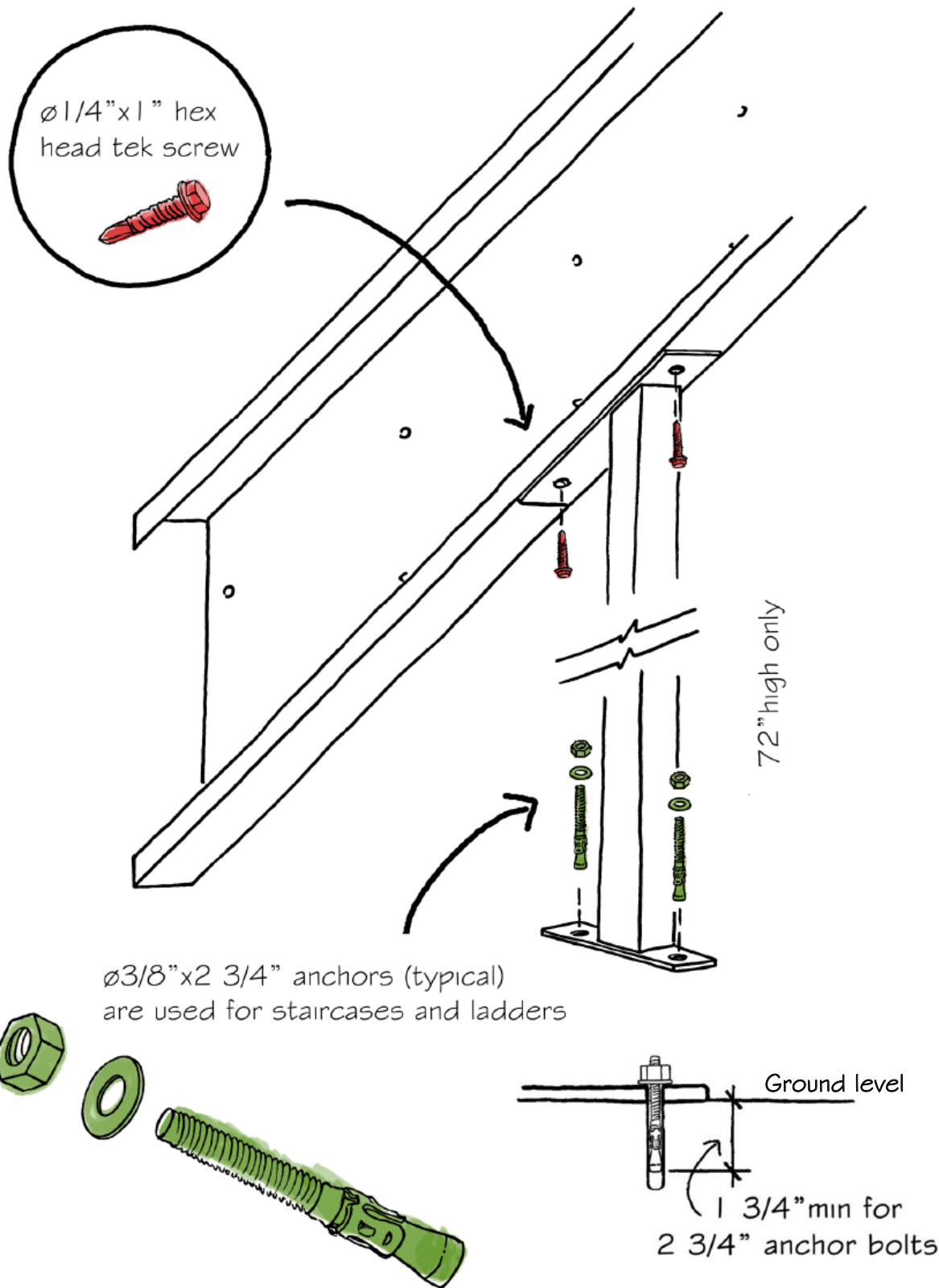
ATTACH STIARCASE TO PRE-ENGINEERED FLOOR
DECKING SYSTEM USING

“L” BRACKET AND ANGLE.



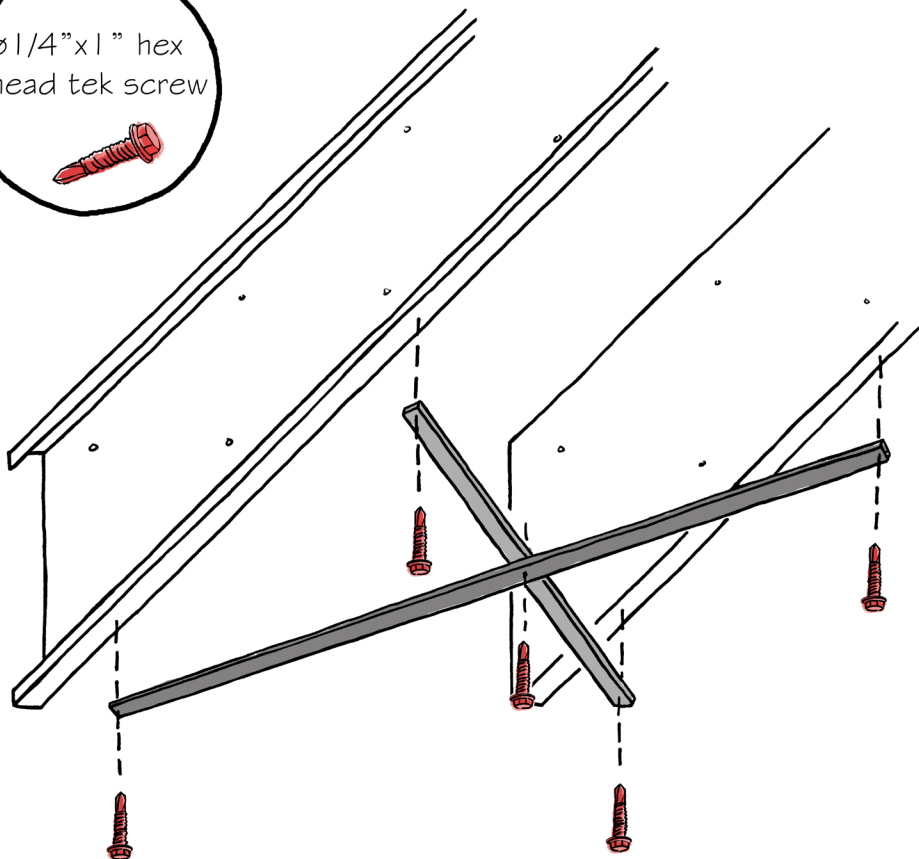
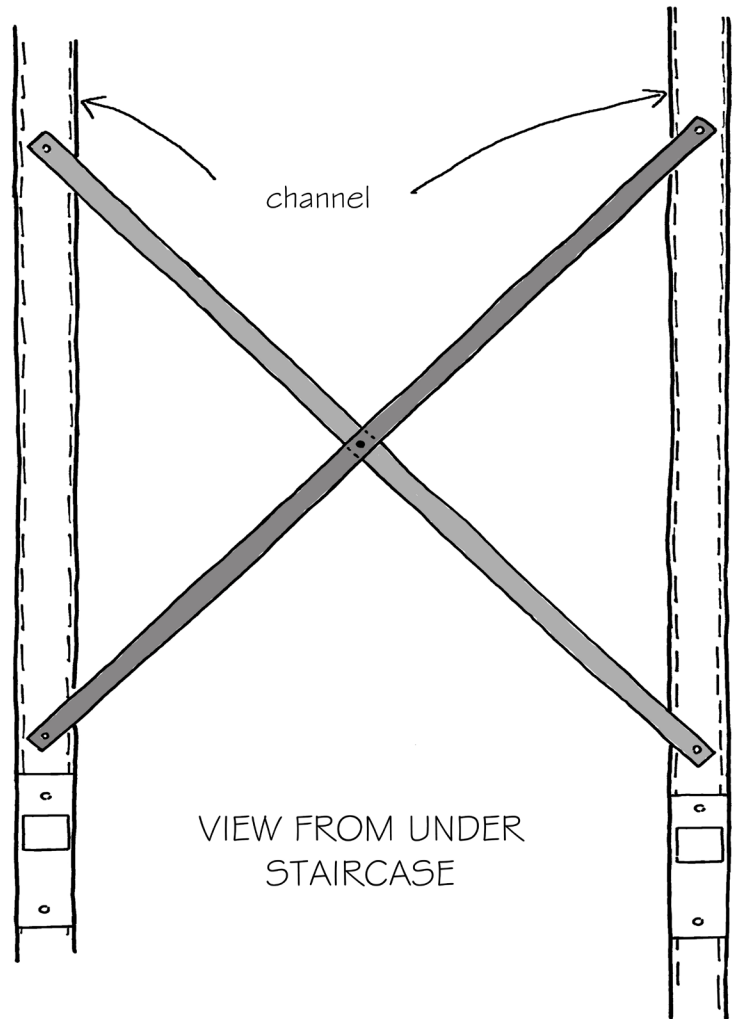
STEP 3

MID-SUPPORTS

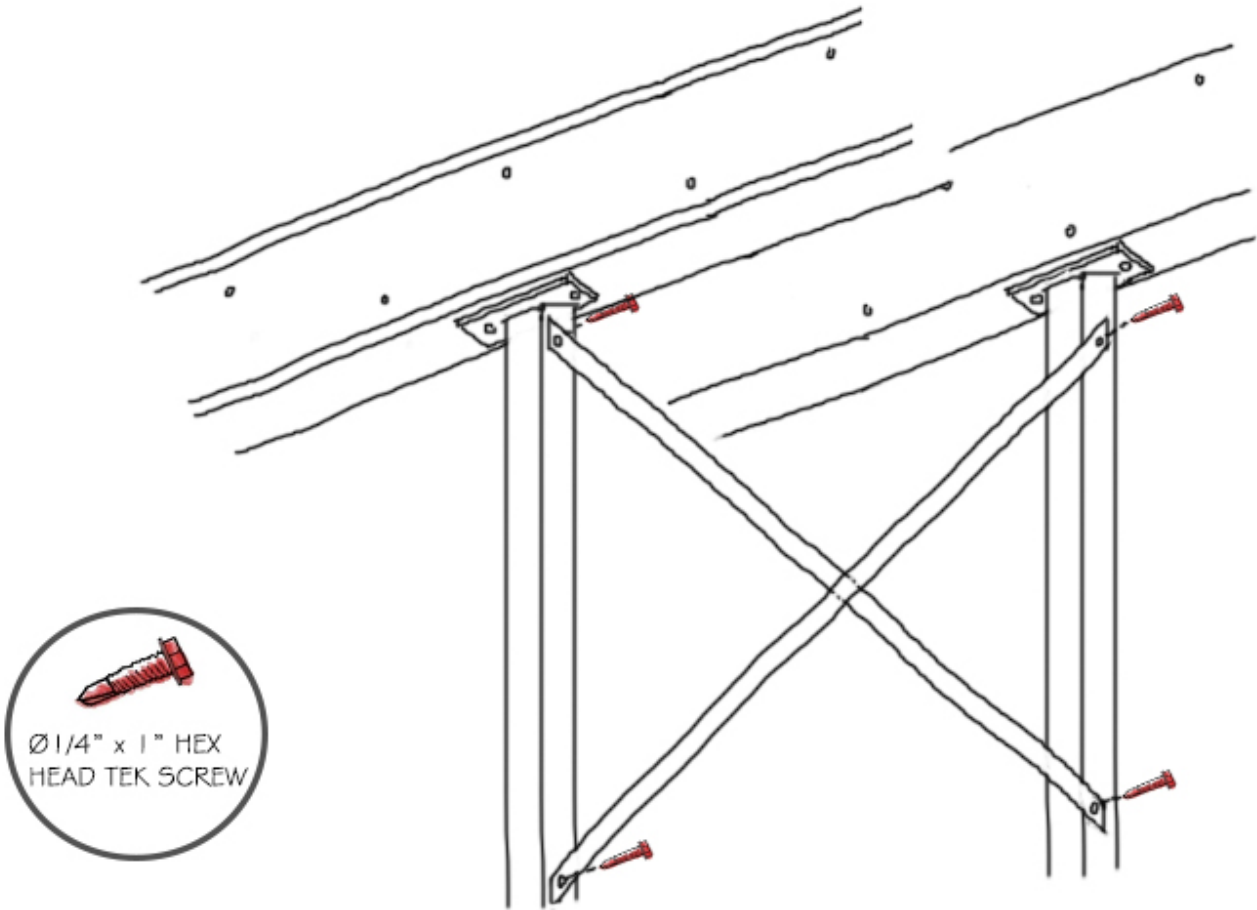


MID-SUPPORTS ARE USED ON STAIRCASES 8' HIGH OR GREATER SEE STEP 6 FOR COMPLETE DETAILS ON ANCHORING.

STAIRCASE BRACES



MID-SUPPORT BRACES

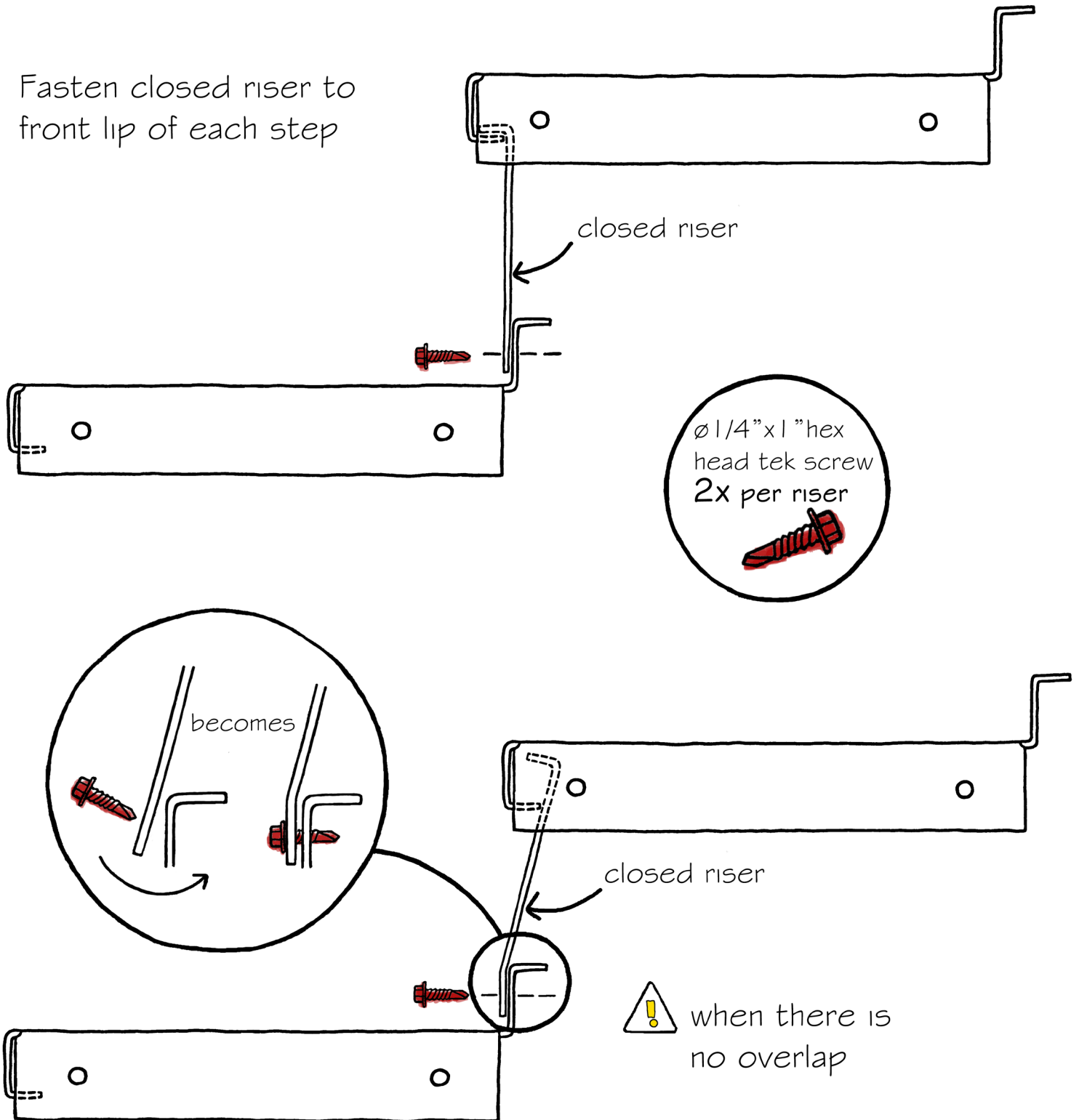


BRACES ARE INSTALLED BETWEEN MID-SUPPORT

STEP 4

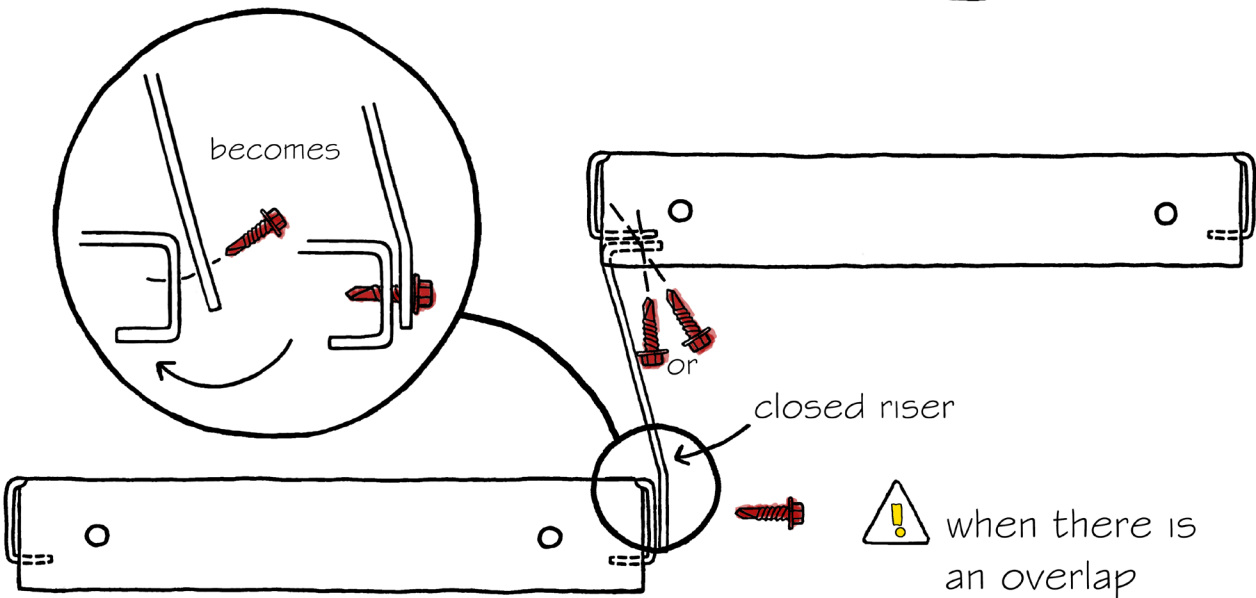
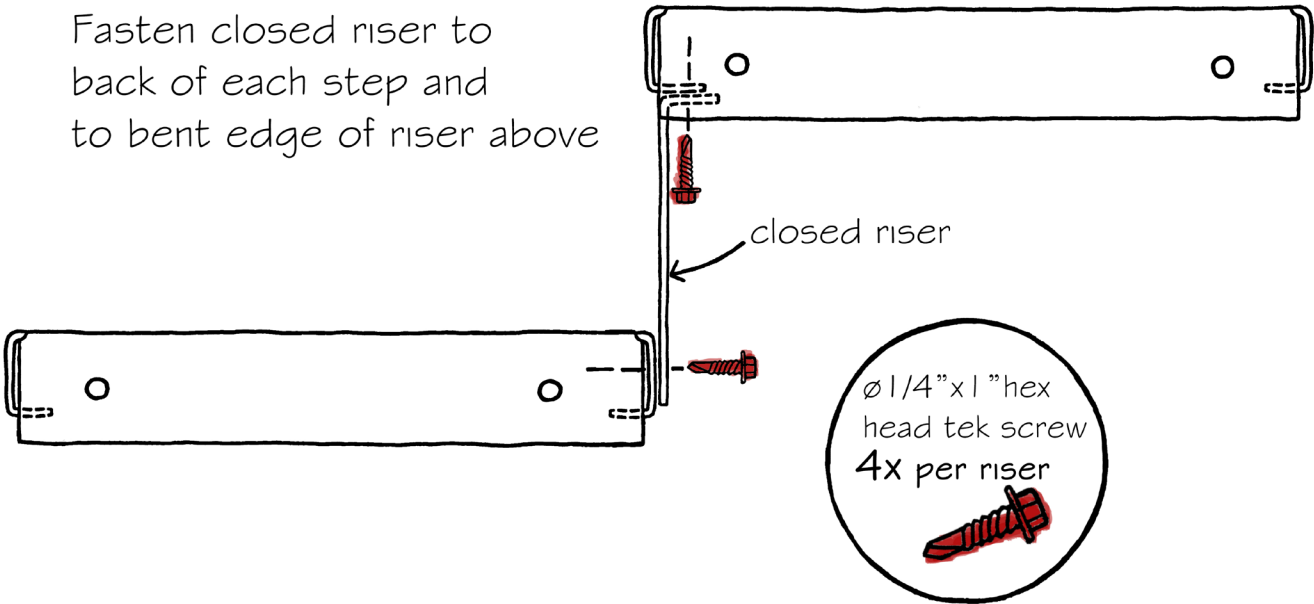
OPTIONAL PARTS AND ACCESSORIES (CLOSED RISER FOR 31° STAIRCASES)

Fasten closed riser to front lip of each step

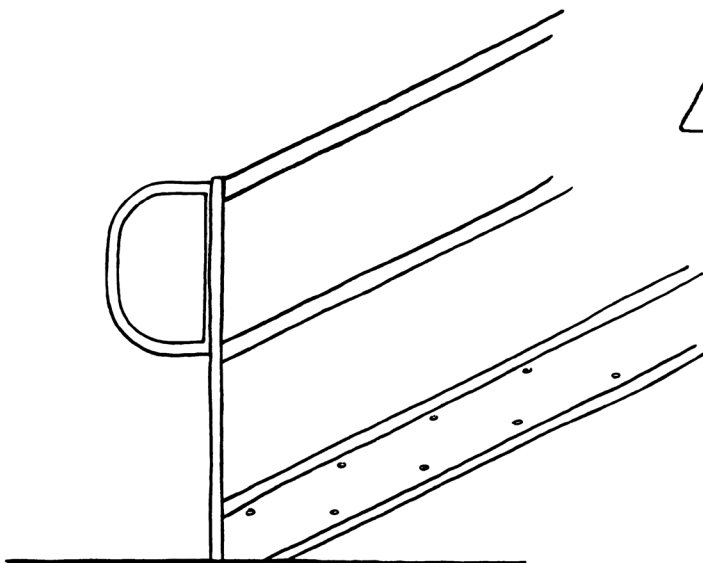
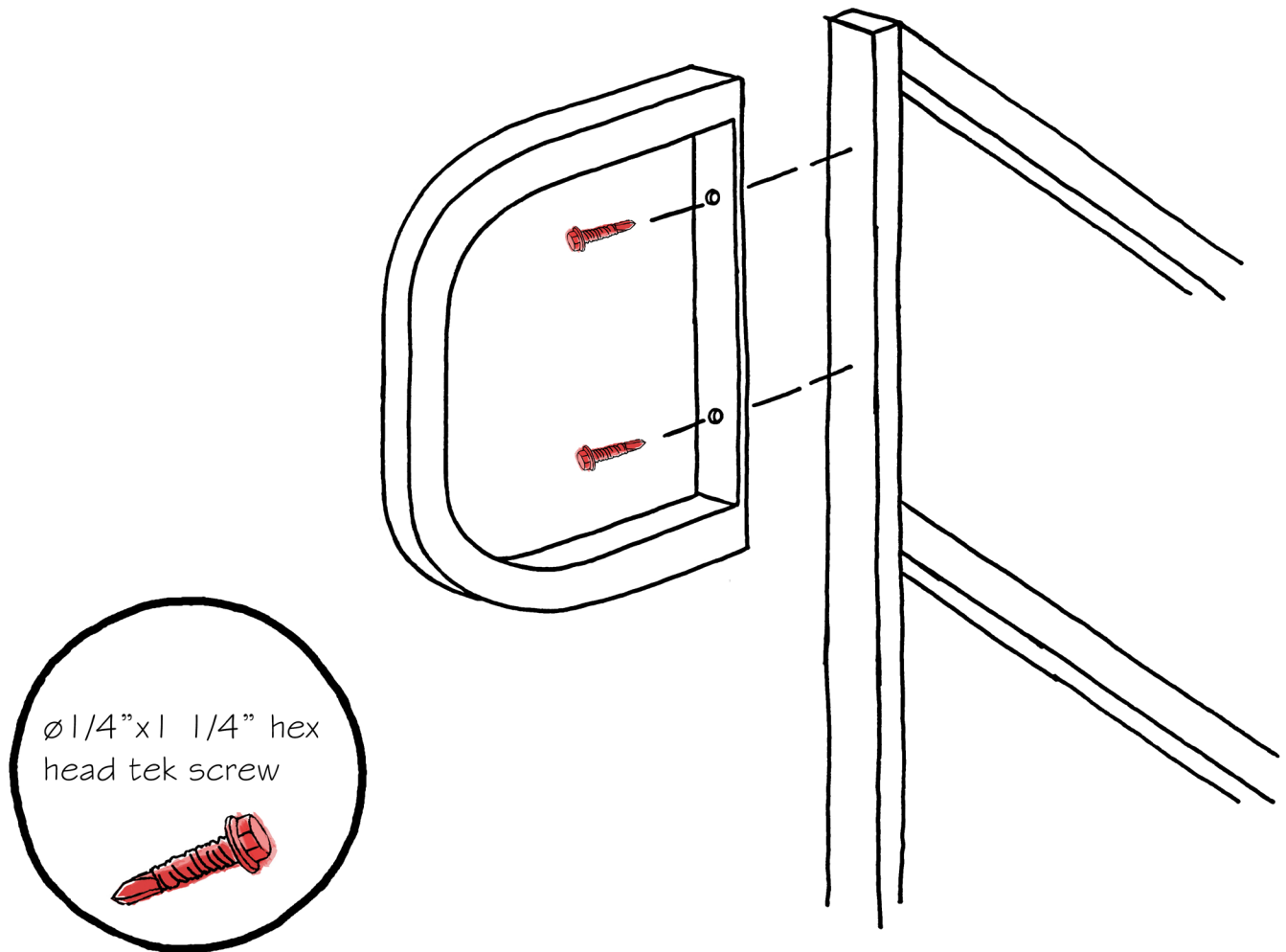


OPTIONAL PARTS AND ACCESSORIES (CLOSED RISER FOR 38° STAIRCASES)

Fasten closed riser to back of each step and to bent edge of riser above



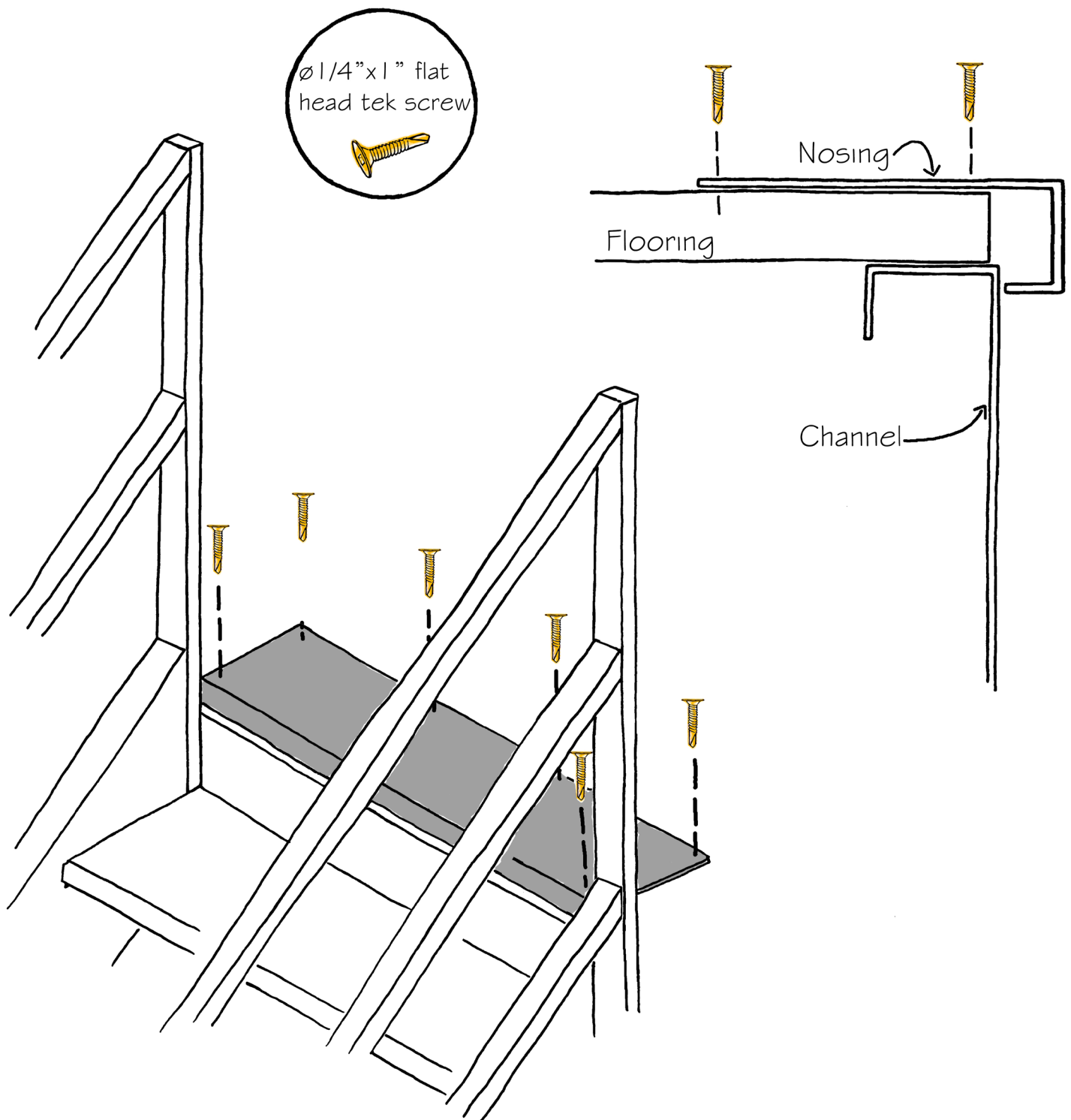
OPTIONAL PARTS AND ACCESSORIES (EXTENSION RAILING)



Extension railing can be used on both top and bottom of staircase

OPTIONAL PARTS AND ACCESSORIES (NOSING)

After flooring is in place, install nosing

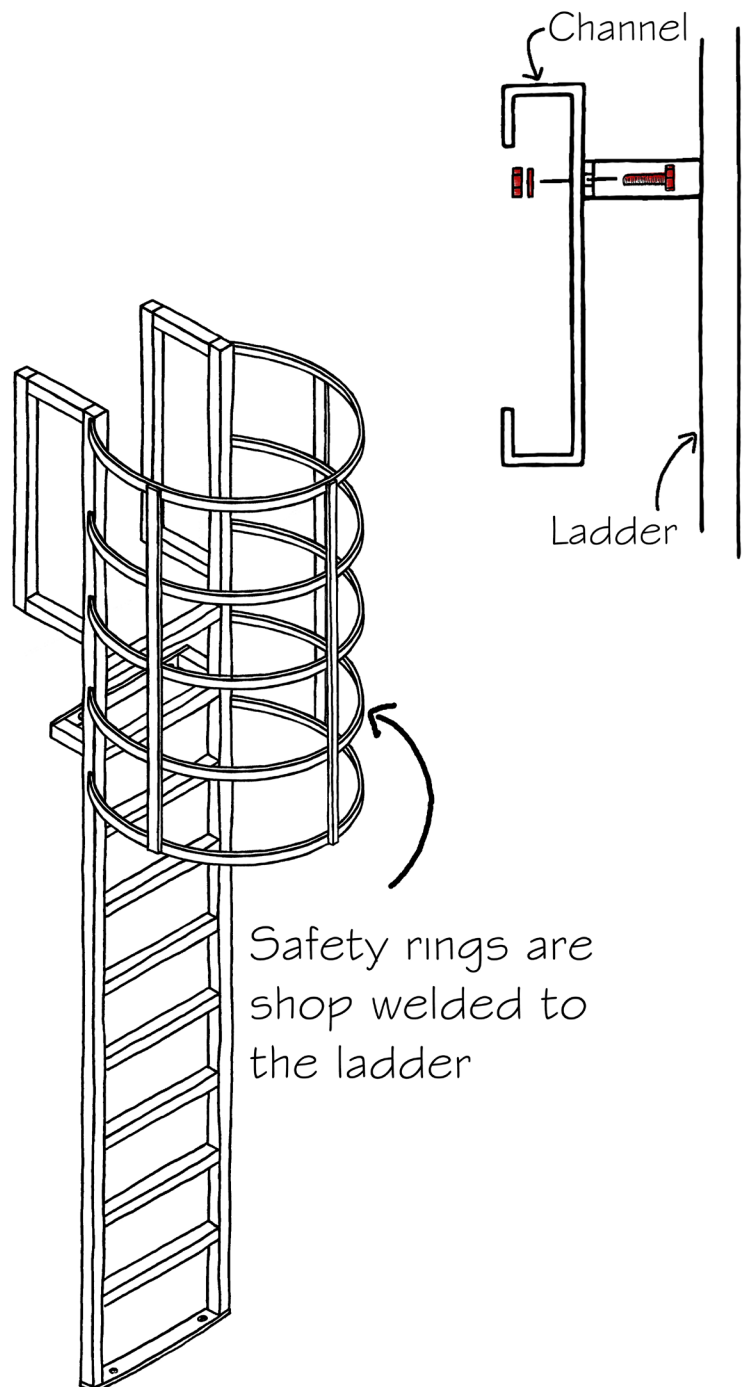
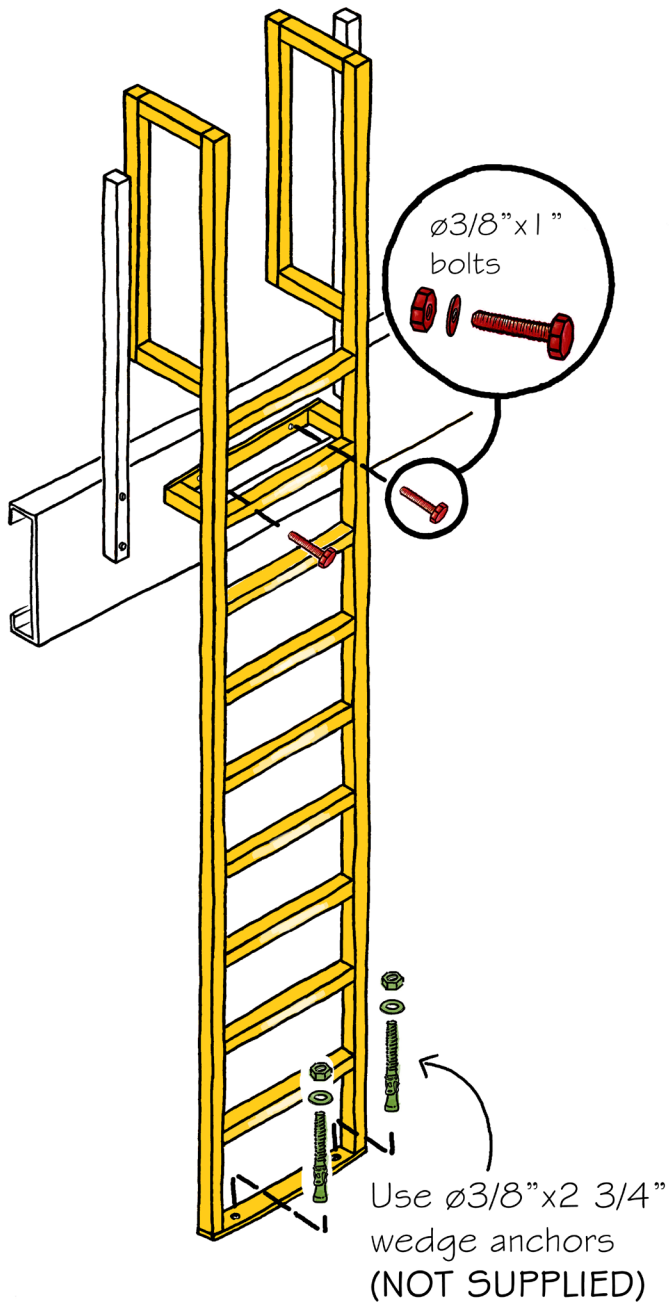


STEP 5

Ladder



Holes in channel to be drilled on site

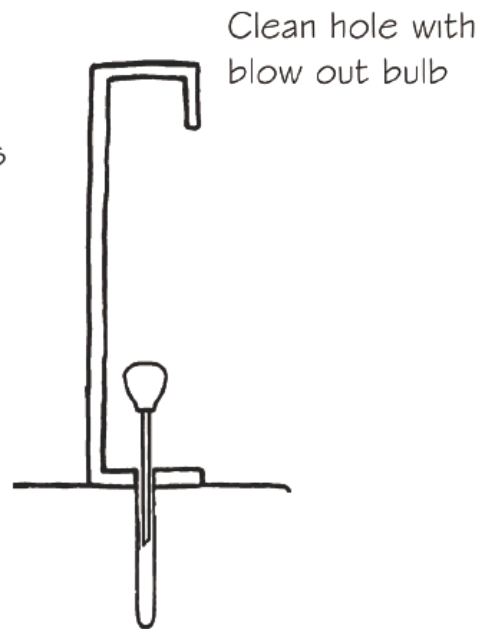
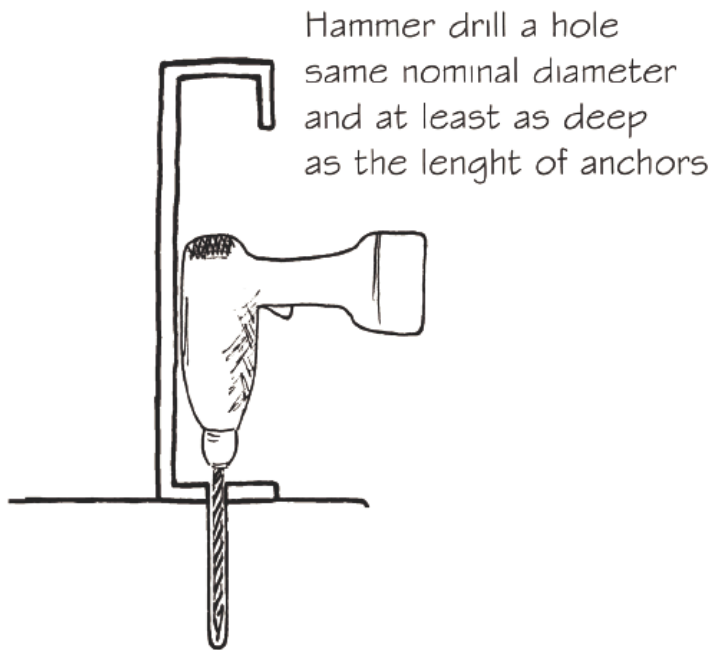


SEE STEP 6 FOR COMPLETE DETAILS ON ANCHORING

STEP 6 (A)

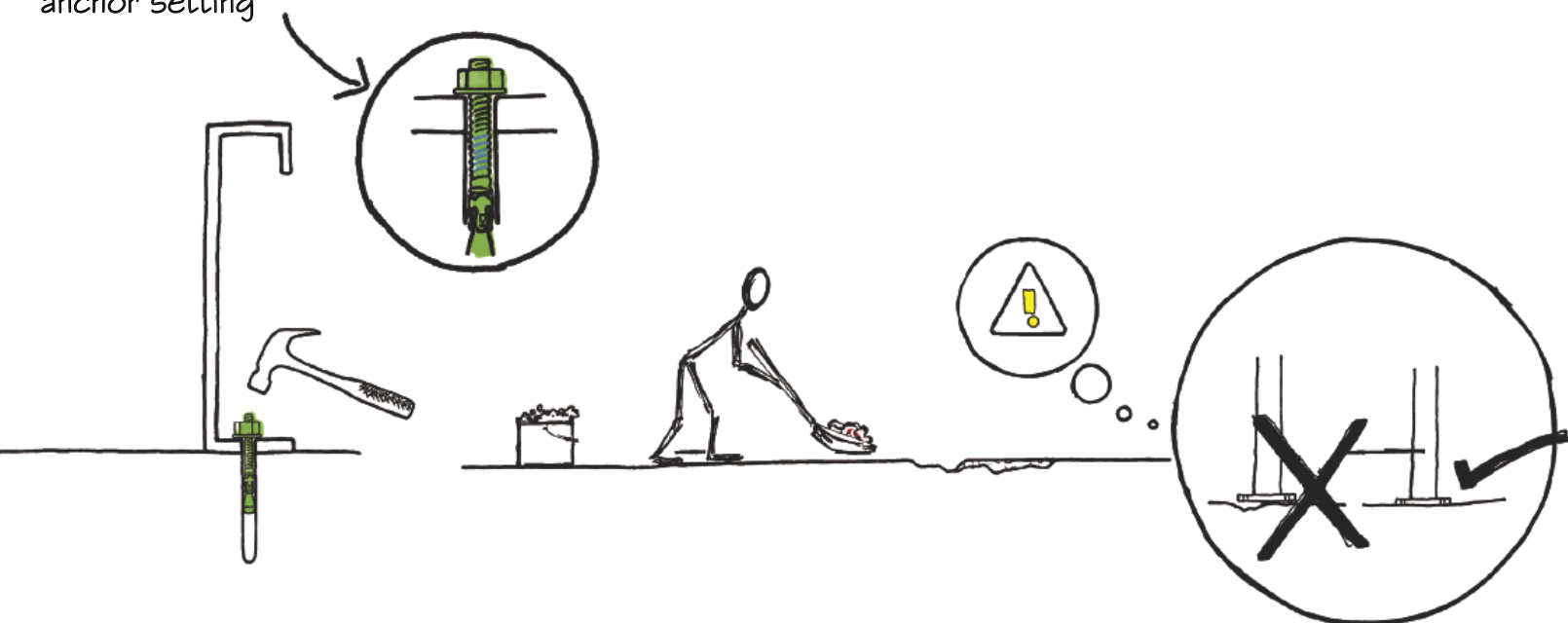
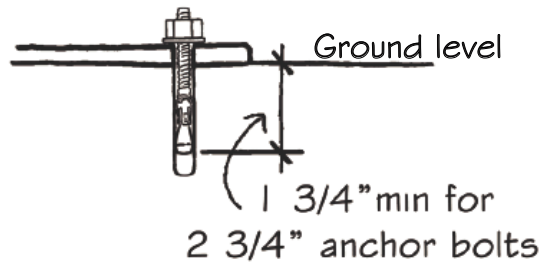
ANCHORING STAIRCASE & LADDER

(If staircase or ladder sits on a concrete surface, follow these instructions)



Drive the Hilti bolt so that at least **6 threads** are below top surface of fixture.

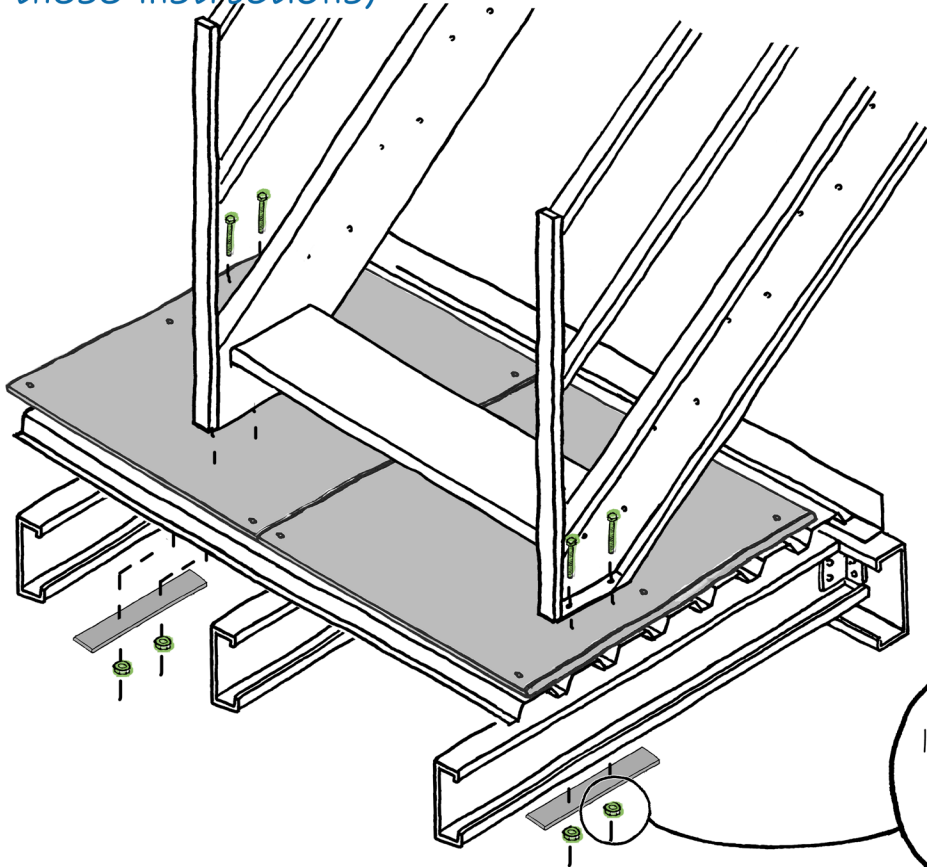
Tighten to recommended torque value to achieve proper anchor setting



STEP 6 (B)

ANCHORING STAIRCASE & LADDER

(If staircase or ladder sits on the Pre-Engineered Floor Decking System, follow these instructions)

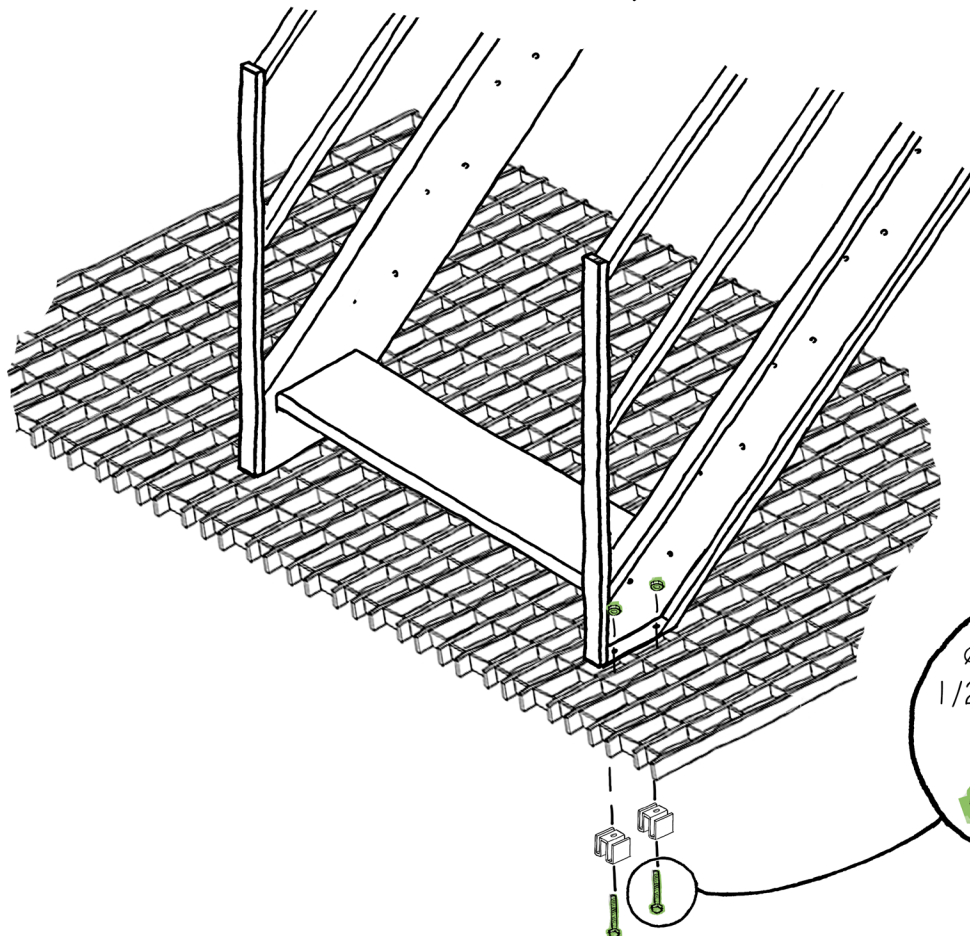


ON STEEL DECK SURFACE

Bolt sandwich plate under the steel deck to help secure the staircase in place.

Always lay sandwich plate perpendicular to the steel deck orientation.

Ø 3/8" x 3
1/2" structural
bolts



ON BAR GRATING SURFACE

Invert clips and bolt to the staircase base plate to secure it from under. Put one structural bolt in each hole of the staircase base plate.

Ø 3/8" x 3
1/2" structural
bolts

