INSTRUCTION MANUAL

Rev00(A)

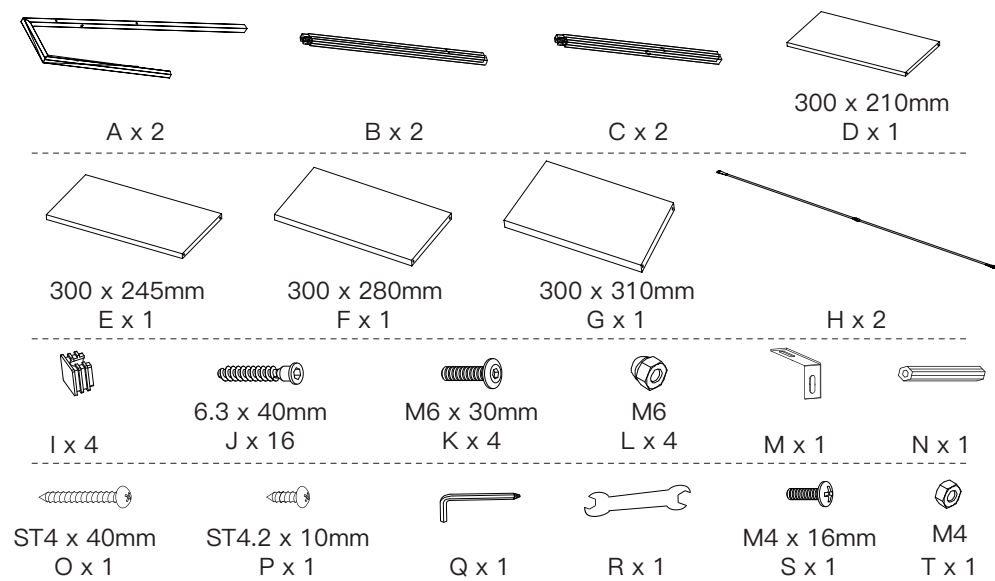## PILS01
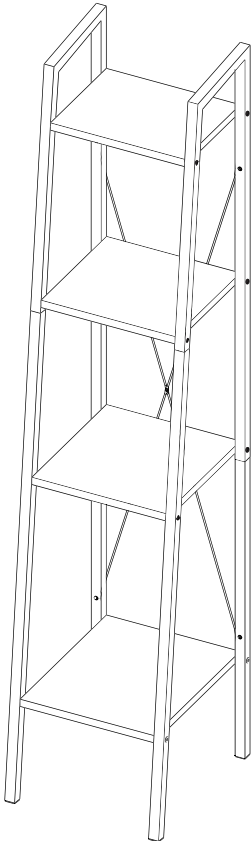
Ladder Shelf

Supplied Parts and Hardware

A x 2	B x 2	C x 2	300 x 210mm D x 1
300 x 245mm E x 1	300 x 280mm F x 1	300 x 310mm G x 1	H x 2
I x 4	6.3 x 40mm J x 16	M6 x 30mm K x 4	M6 L x 4
M x 1	N x 1		
ST4 x 40mm O x 1	ST4.2 x 10mm P x 1	Q x 1	R x 1
M4 x 16mm S x 1	M4 T x 1		

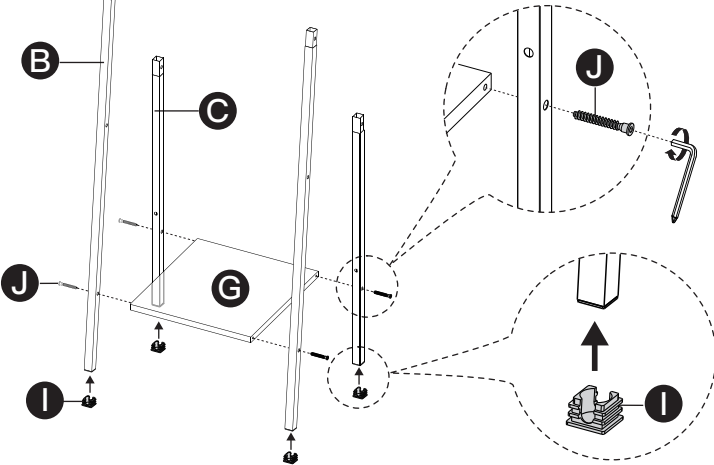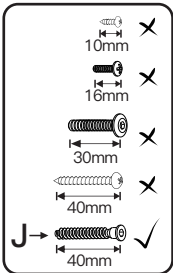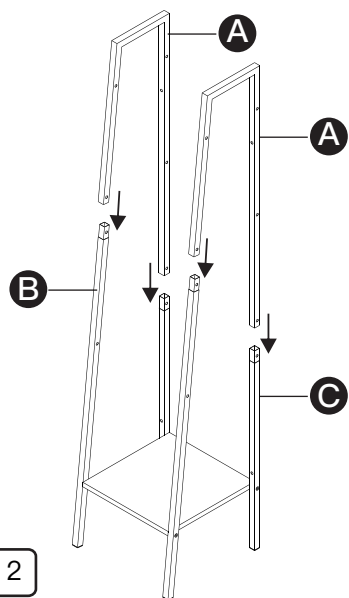## Tools Needed (Not Included)

Electric Drill
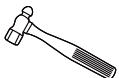
Hammer

Installation Tip: Align and loosely thread all bolts into the corresponding holes before fully tightening each bolt one by one.

STEP 1 Secure poles [B] and [C] to board [G]. Then attach end caps [I] to the bottom of poles [B] and [C].
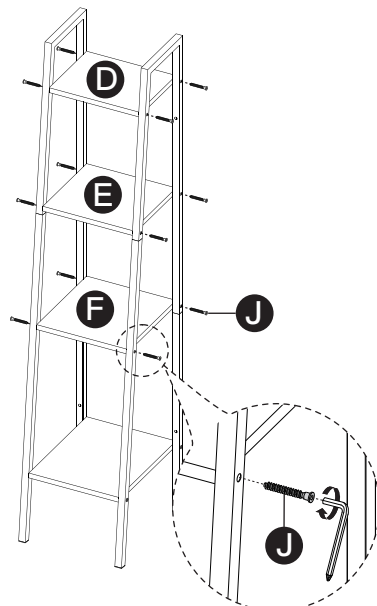
B x 2
C x 2
G x 1
I x 4
J x 4

10mm ✗
16mm ✗
30mm ✗
40mm ✗
J → 40mm ✓

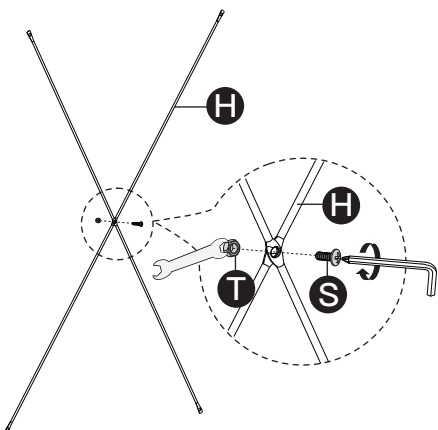**STEP 2** Secure top frames [A] to poles [B] and [C].

A

A

B

C

A x 2

STEP 3 Secure board [F], [E] and [D] to the assembled frame.

D

E

F

J

J

D x 1
E x 1
F x 1
J x 12

STEP 4 Assemble cross brace [H].

H

H

H

T

S

S → 10mm ✗
16mm ✓
30mm ✗
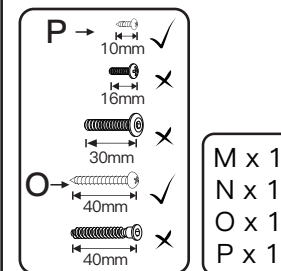40mm ✗
40mm ✗

H x 2
S x 1
T x 1

STEP 5 Secure cross brace [H] to the back side of the shelf.

H K

L

H
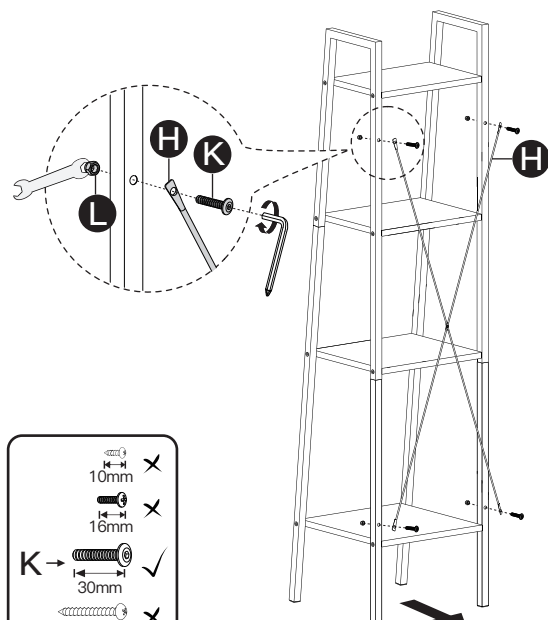
K → 10mm ✗
16mm ✗
30mm ✓
40mm ✗
40mm ✗

K x 4
L x 4

Back Side

STEP 6 Secure the shelf to wall.

P → 10mm ✓
16mm ✗
30mm ✗
O → 40mm ✓
40mm ✗

M x 1
N x 1
O x 1
P x 1

P M
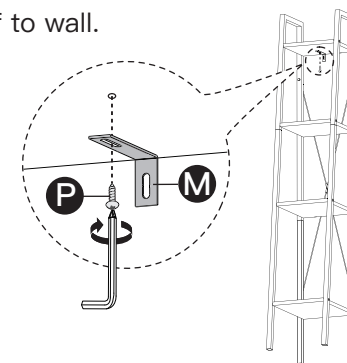
Secure L–shaped plate [M] to the board [D].

6A For Wood Stud Installation

1 37/64" (40mm)
5/64" (2mm)

6A–1 Put the ladder shelf at your desired position and line up the hole with the stud center line. Mark the hole, and drill a hole into wood stud.
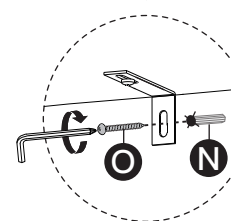
5/64" (2mm)

6A–2 Tighten the screw [O] until it is pulled firmly against the shelf.

O
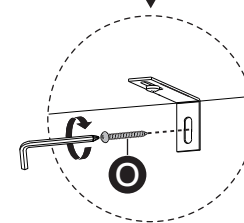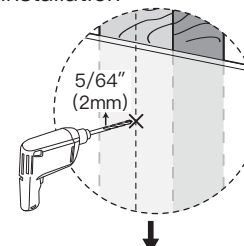
6B For Concrete, Solid Wall or Brick Wall Installation

1 3/4" (45mm)
1/4" (6mm)

6B–1 Put the ladder shelf at your desired position. Mark the hole for the wall anchor [N], and drill a hole.
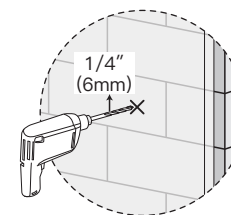
1/4" (6mm)

6B–2 Use a self–supplied hammer to knock the wall anchor [N] into the wall. Tighten the screw [O] until it is pulled firmly against the shelf.

O N