

HOW TO BUILD A

TOJAGRID®

MODULAR PERGOLA SYSTEM

STEP
01

LAYOUT YOUR MATERIALS

Ensure that you have
all the components.



BEFORE YOU GO FOR LUMBER

We recommend taking a bracket with you when you purchase your wood to test fit.

STEP
02

BEFORE YOU BEGIN YOUR BUILD

Ensure your lumber
is dry and straight.

We recommend dry, straight cedar, but by design, our products allow you the freedom to choose your preferred wood for your build.

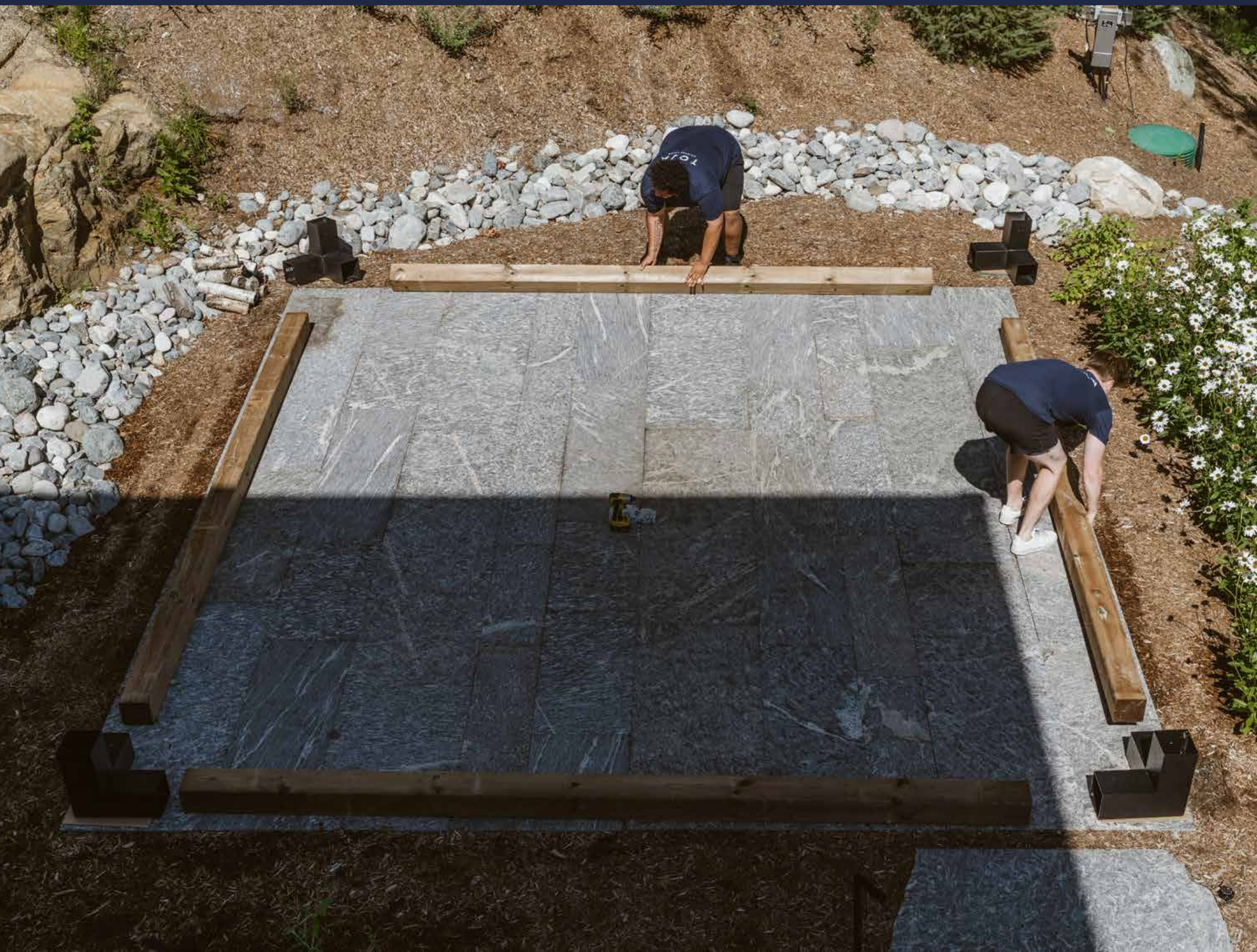


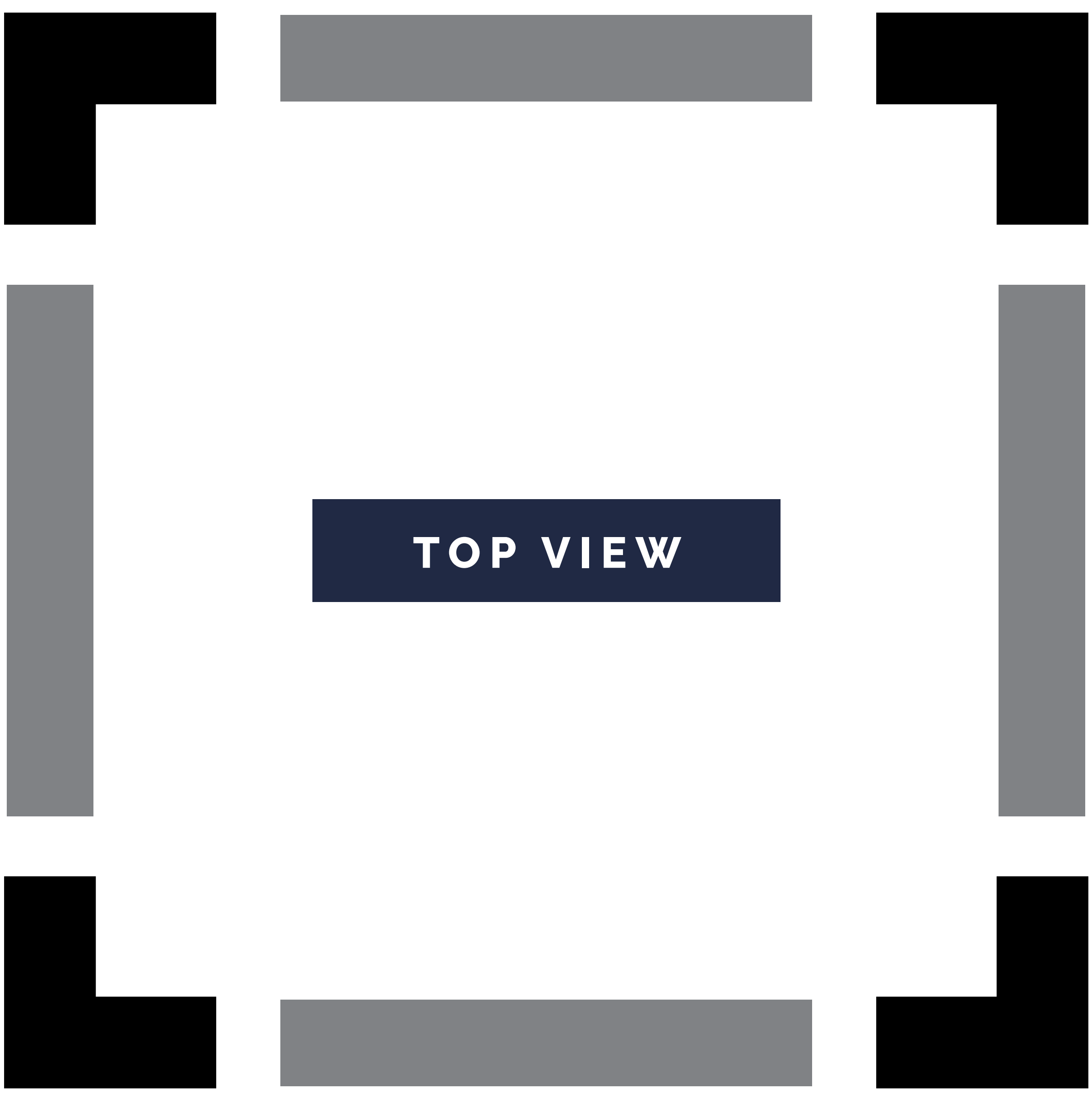
STEP
2.1

BUILDING THE TOP

Set up your
4 TRIO brackets
4 wood posts

We recommend placing cardboard under your brackets to protect the bracket and surface.





Step 2.1 Diagram

STEP
2.2

BUILDING THE TOP

Insert lumber into brackets.

Begin by creating a U Shape
as outlined on the following page.



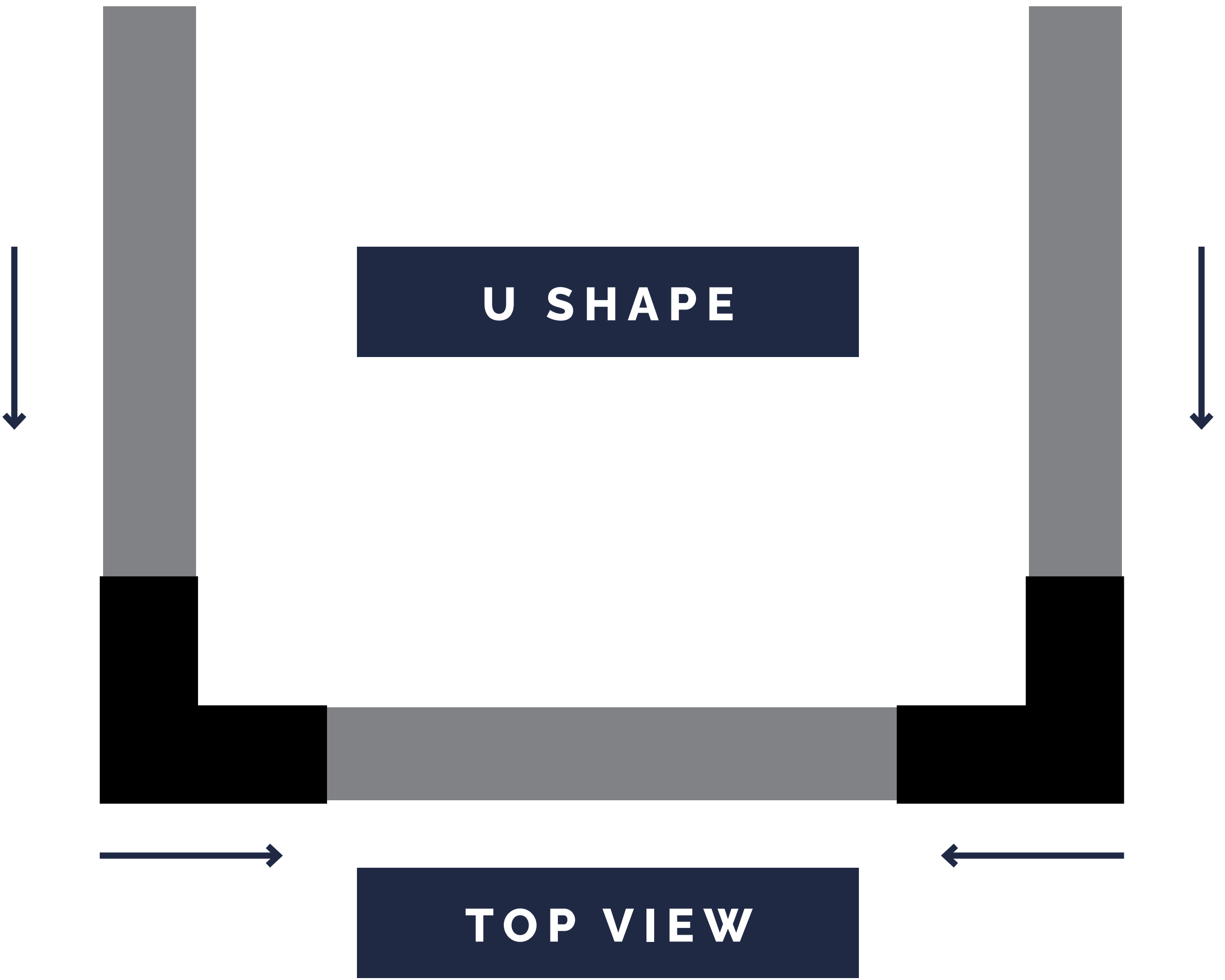
STEP
2.2

Wood will
rest against
metal tabs.

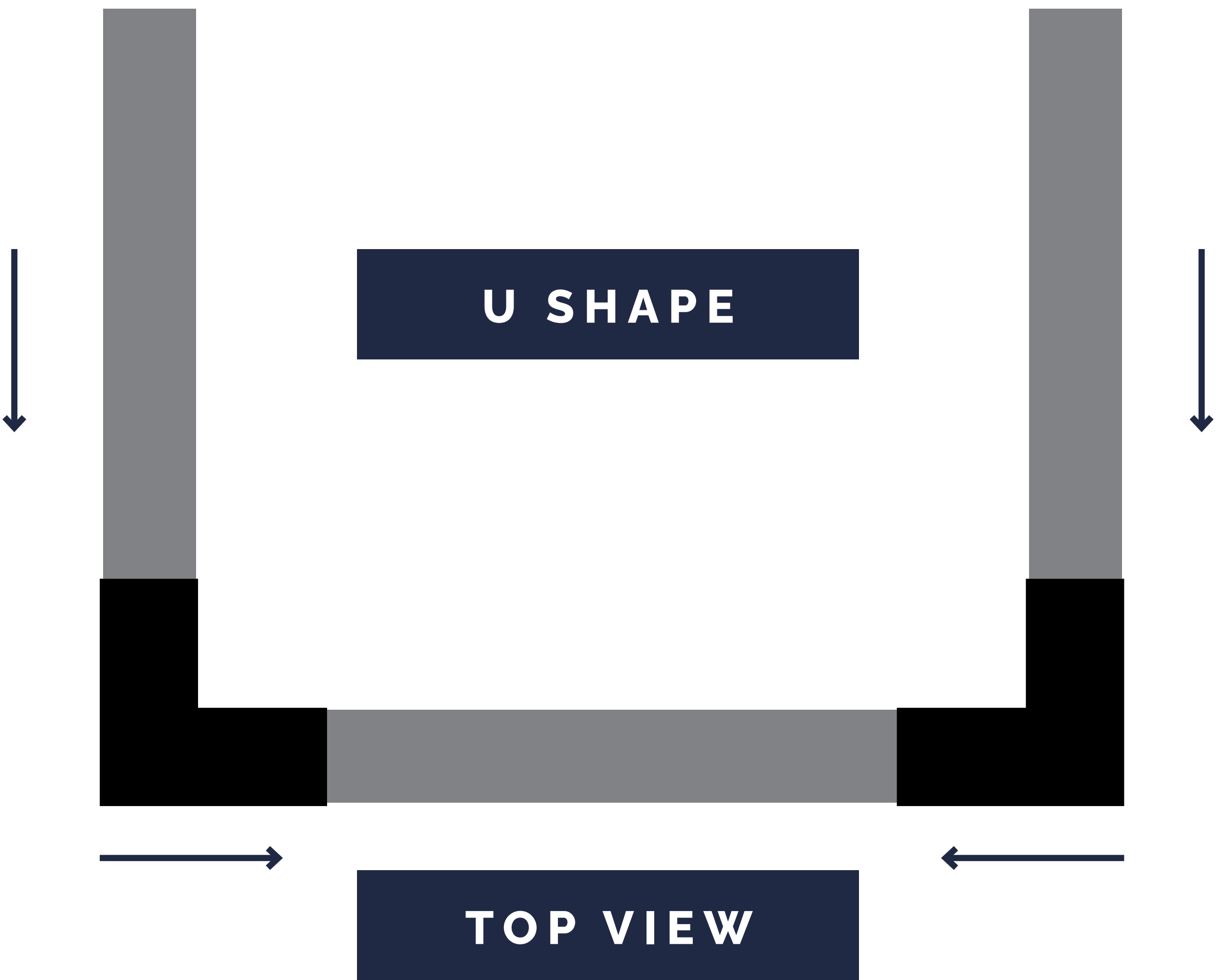




Step 2.2 Diagram



Step 2.2 Diagram



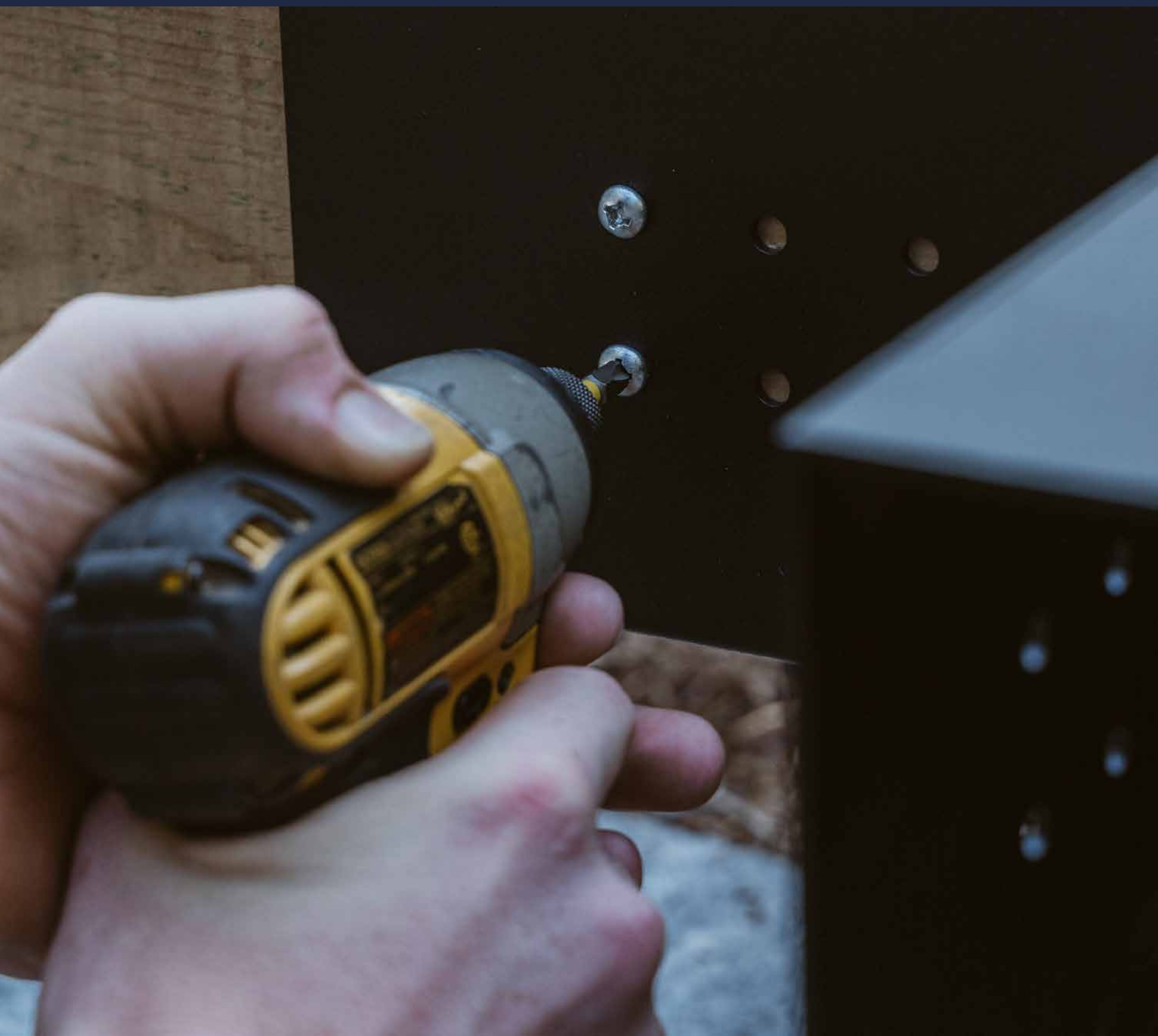
Step 2.2 Diagram

STEP
2.3

BUILDING THE TOP

Insert screws.

- You only require 2 screws per each side of the bracket (eg. 12 per TRIO).
- Insert screws in holes closest to the wood.
- Hardware to secure to wood is included.
- Additional screws are available for purchase.



PLEASE NOTE:

Only 2 screws per each side of the bracket are required (eg. 12 per TRIO).

STEP
2.3

1 →



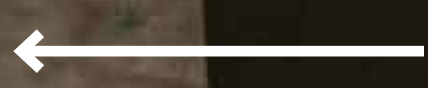
STEP
2.3

1 →

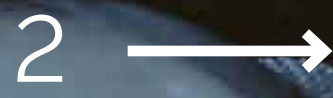
2 →



STEP
2.3



Closest to wood

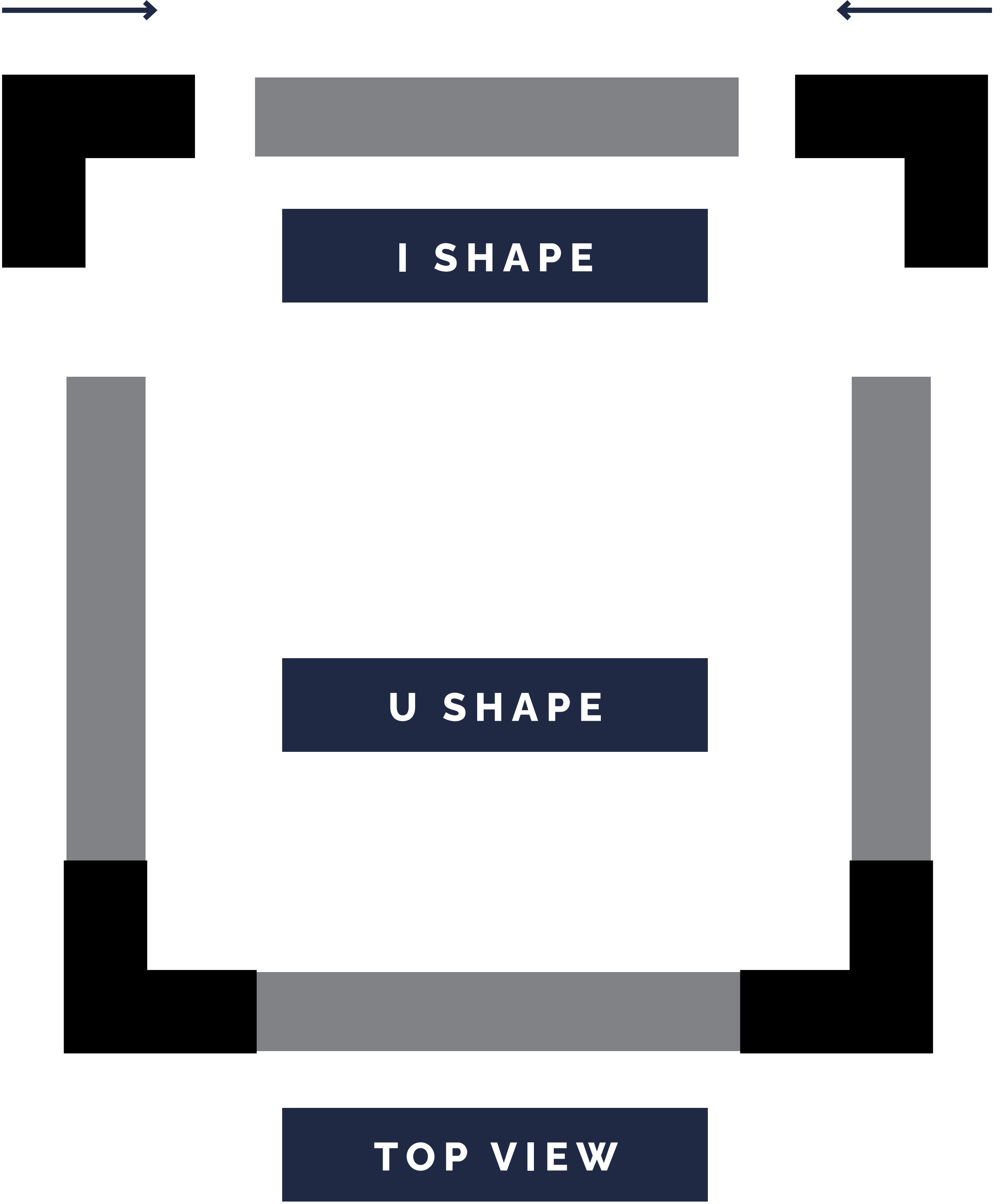


STEP
2.4

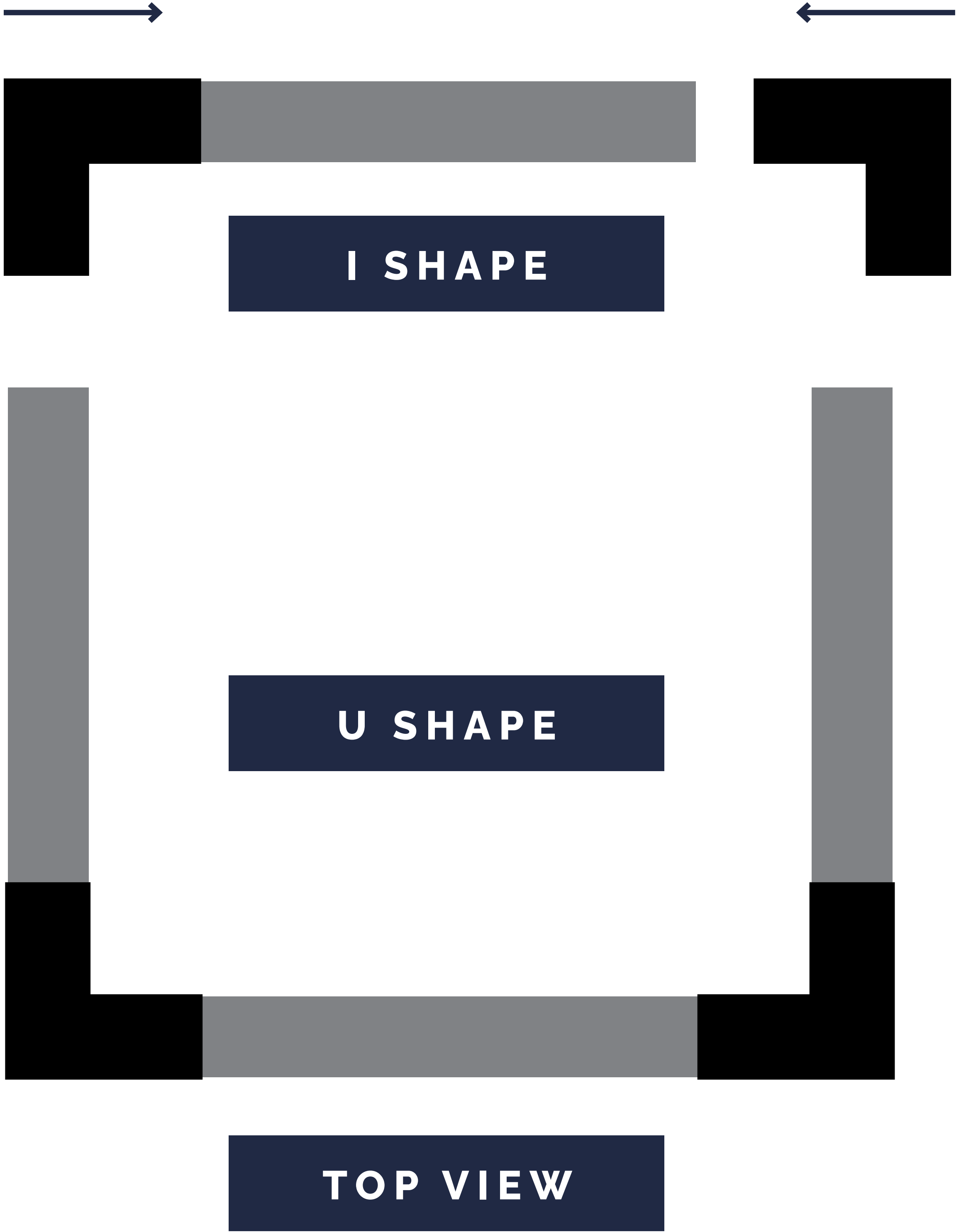
BUILDING THE TOP

Slide wood posts into remaining TRIO brackets, making an I shape.

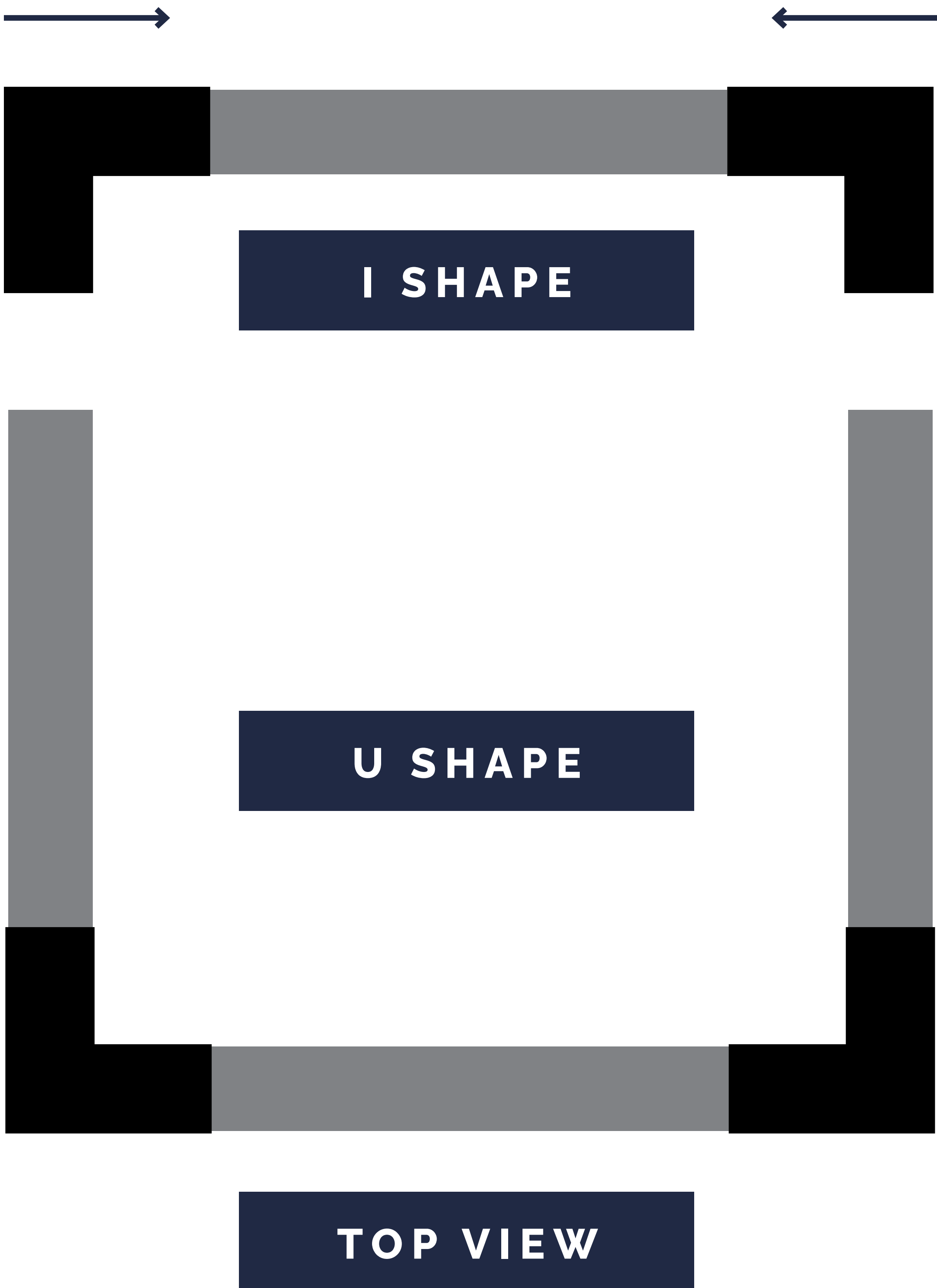




Step 2.4 Diagram



Step 2.4 Diagram



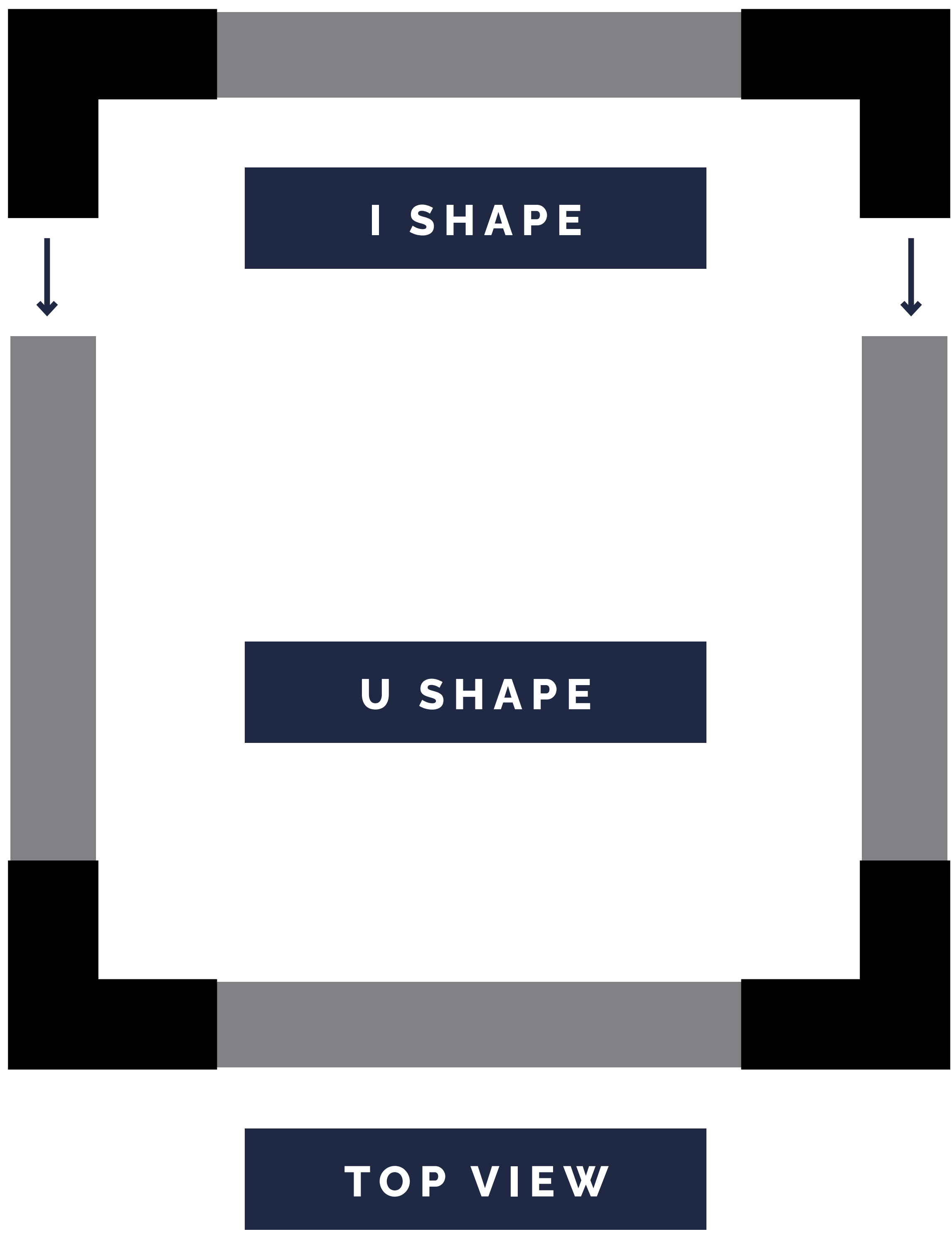
Step 2.4 Diagram

STEP
2.5

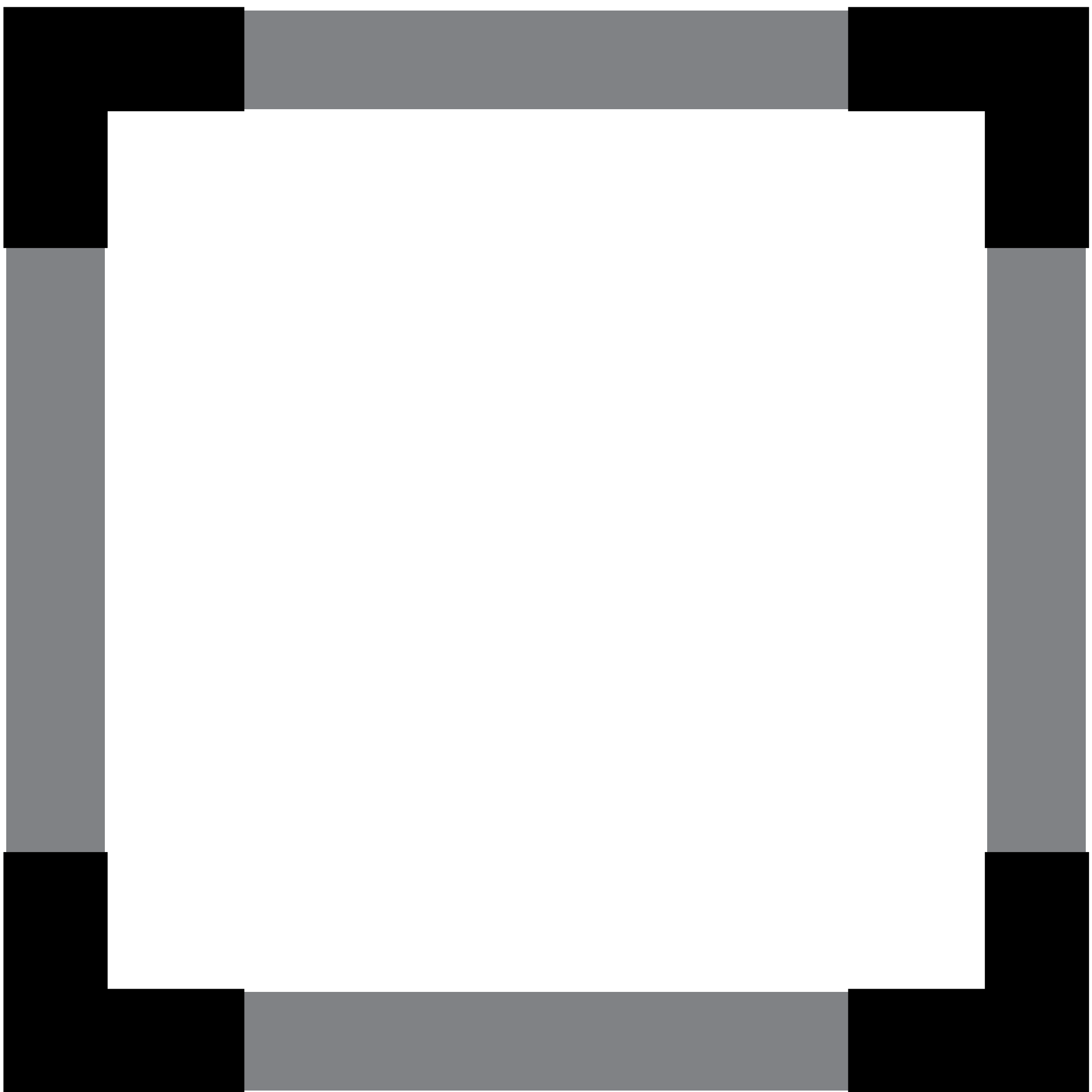
BUILDING THE TOP

Slide I shape into
U shape and secure.





Step 2.5 Diagram



TOP VIEW

Step 2.5 Diagram

STEP
3.1

BUILDING THE TOP

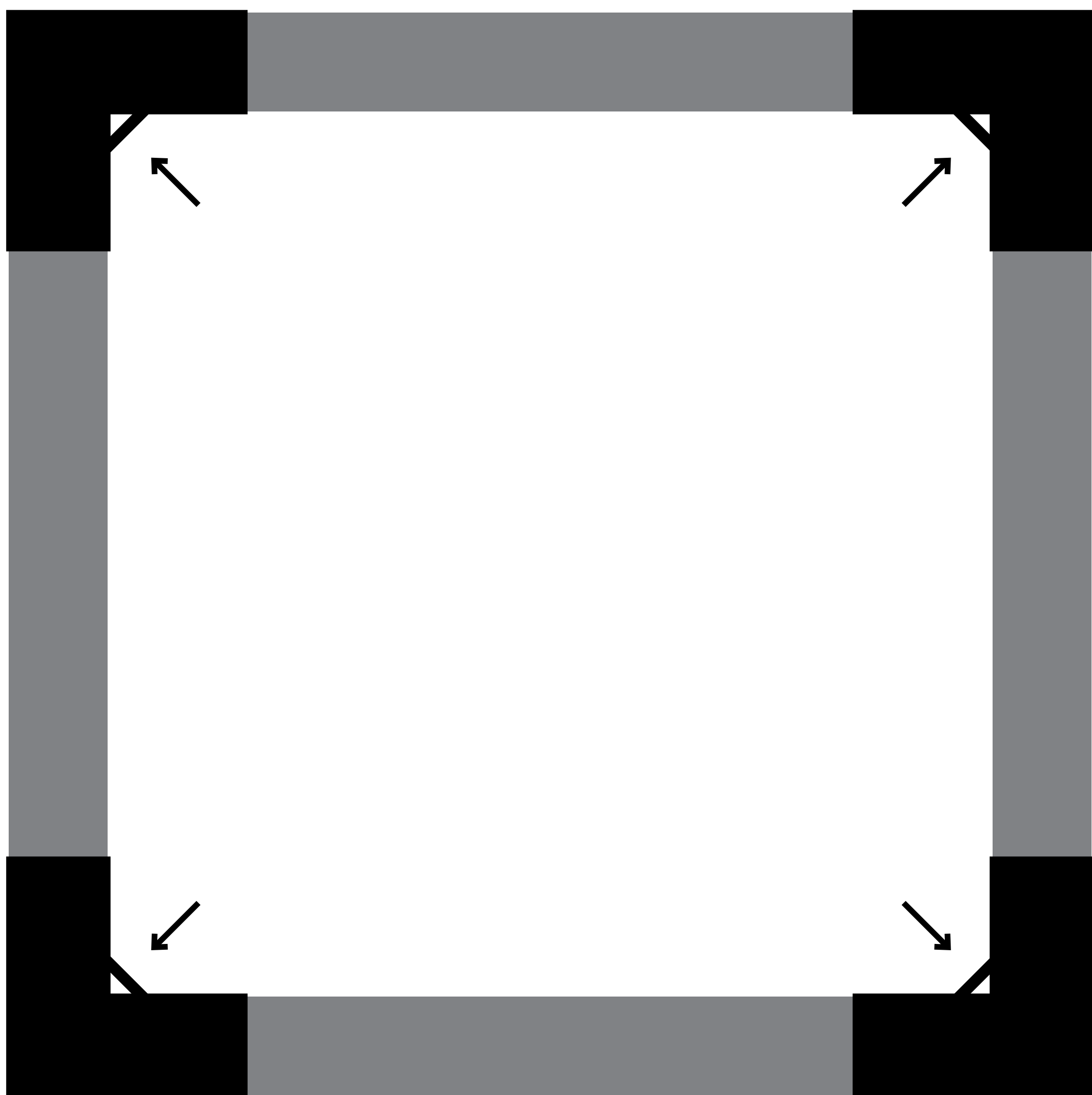
Attach all corner
mounts.





TOP VIEW

Step 3.1 Diagram



TOP VIEW

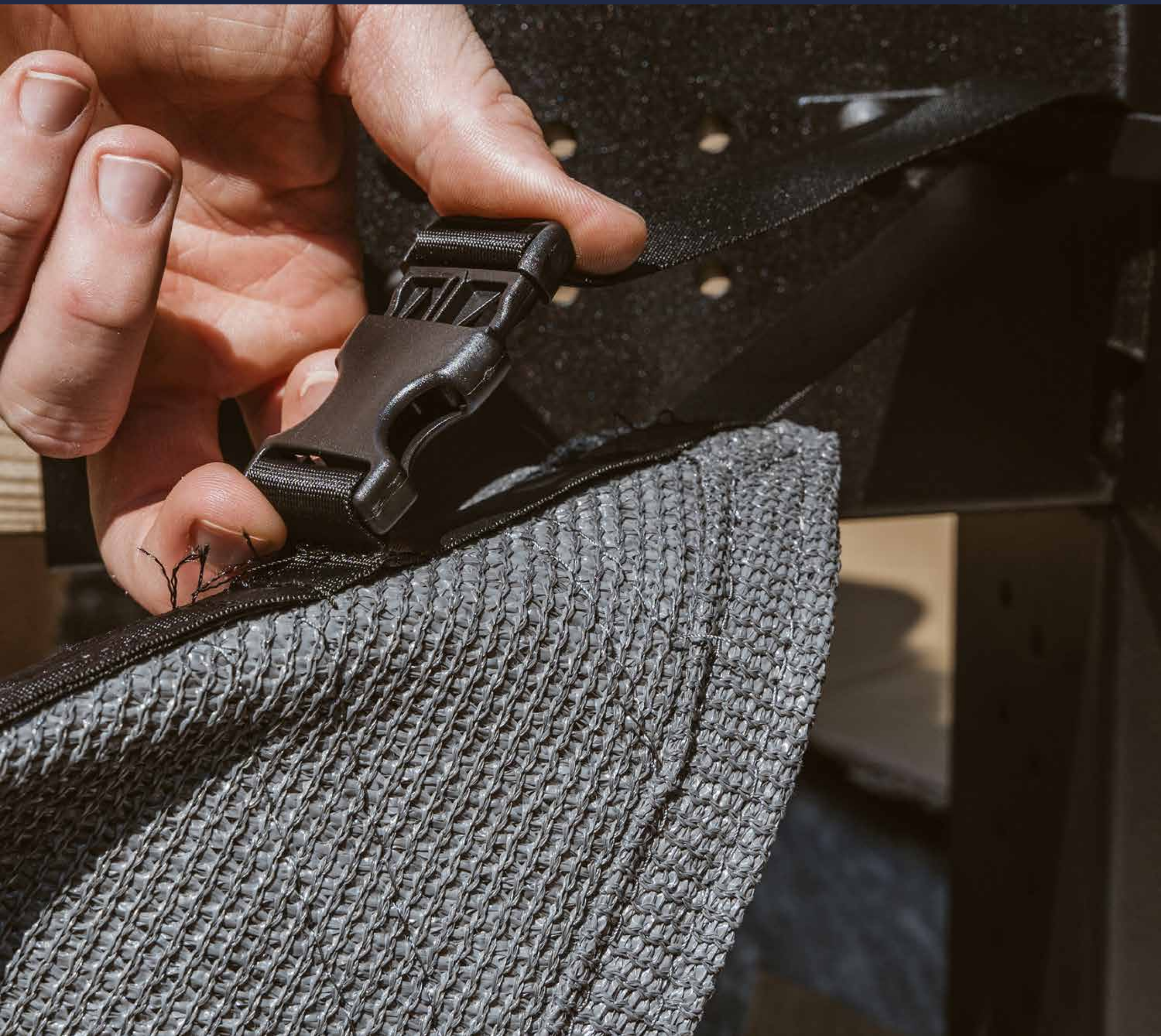
Step 3.1 Diagram

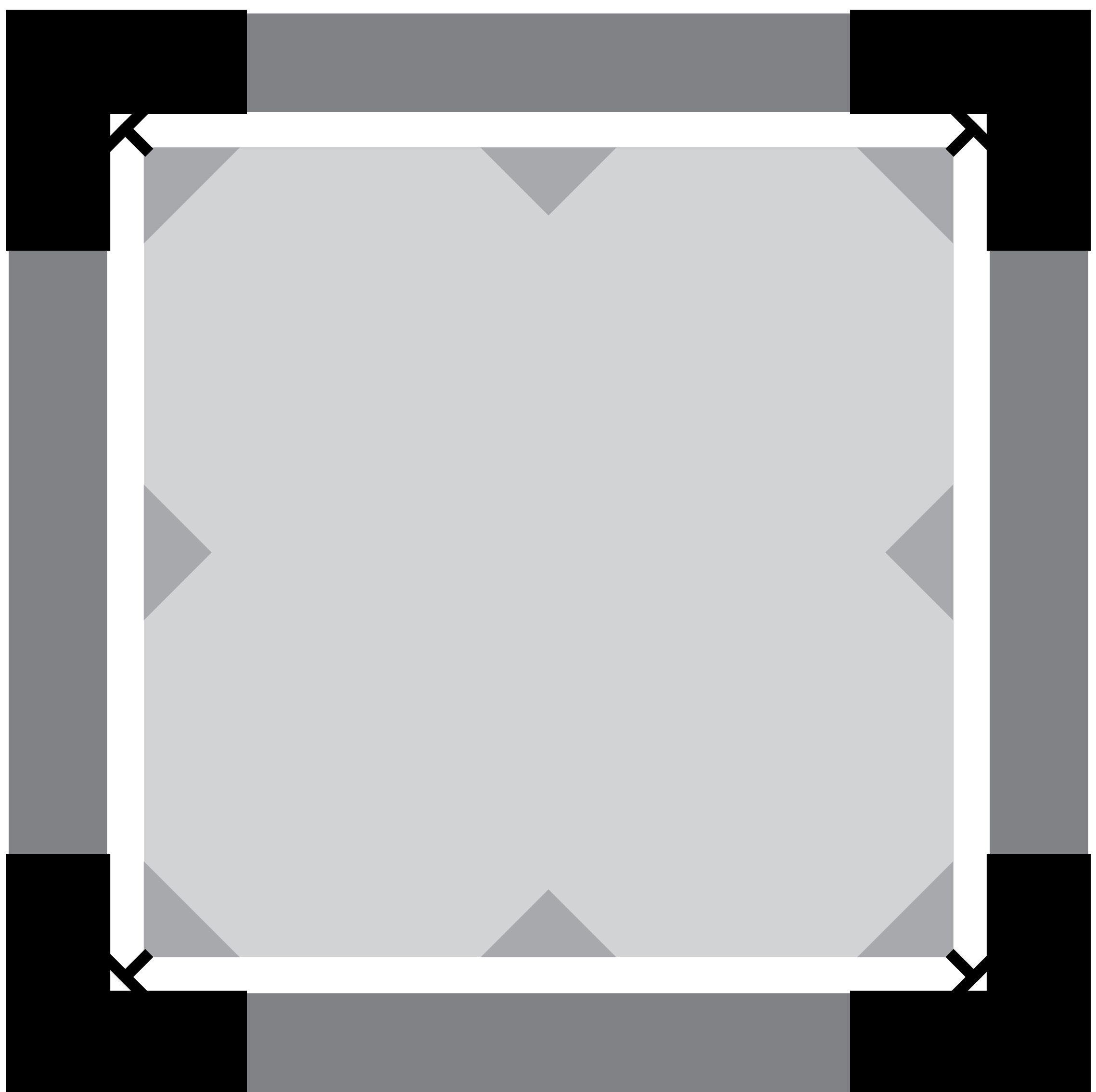
STEP
3.2

ATTACHING THE TOP SHADE

Attach buckles.

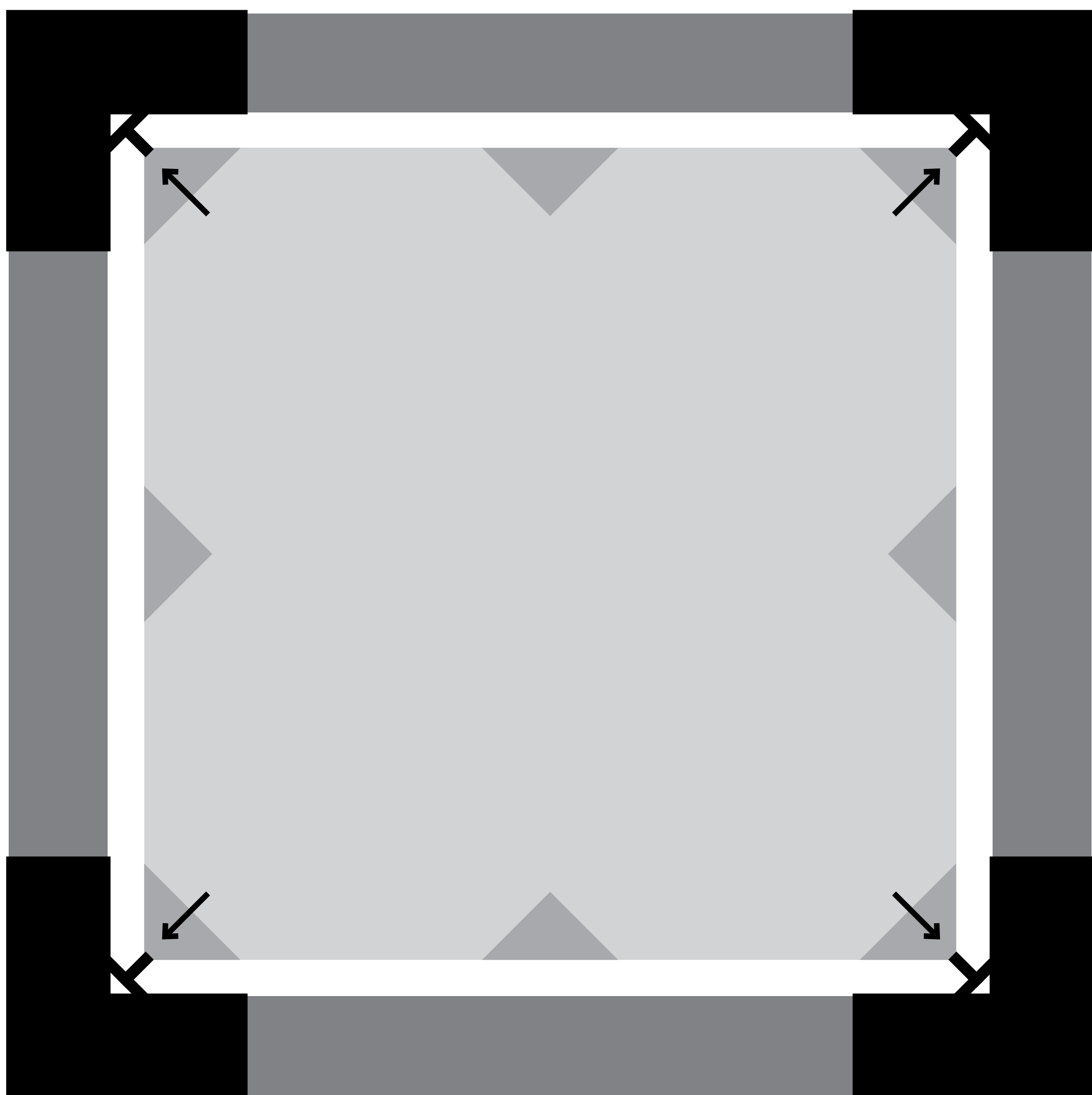
With the buckles facing the sky, loop strap around corner mounts, and pull tight. Some leverage used by pulling the fabric at the same time as the strap allows for a tighter fit.





TOP VIEW

Step 3.2 Diagram



TOP VIEW

Step 3.2 Diagram

STEP
3.3

ATTACHING THE TOP SHADE

Attaching the side mounts and shade.

1. Line up side mounts with buckles on shade.
2. Attach side mounts.
3. Loop buckles and pull tight.

We recommend holding the fabric for extra resistance when pulling to tighten.



STEP

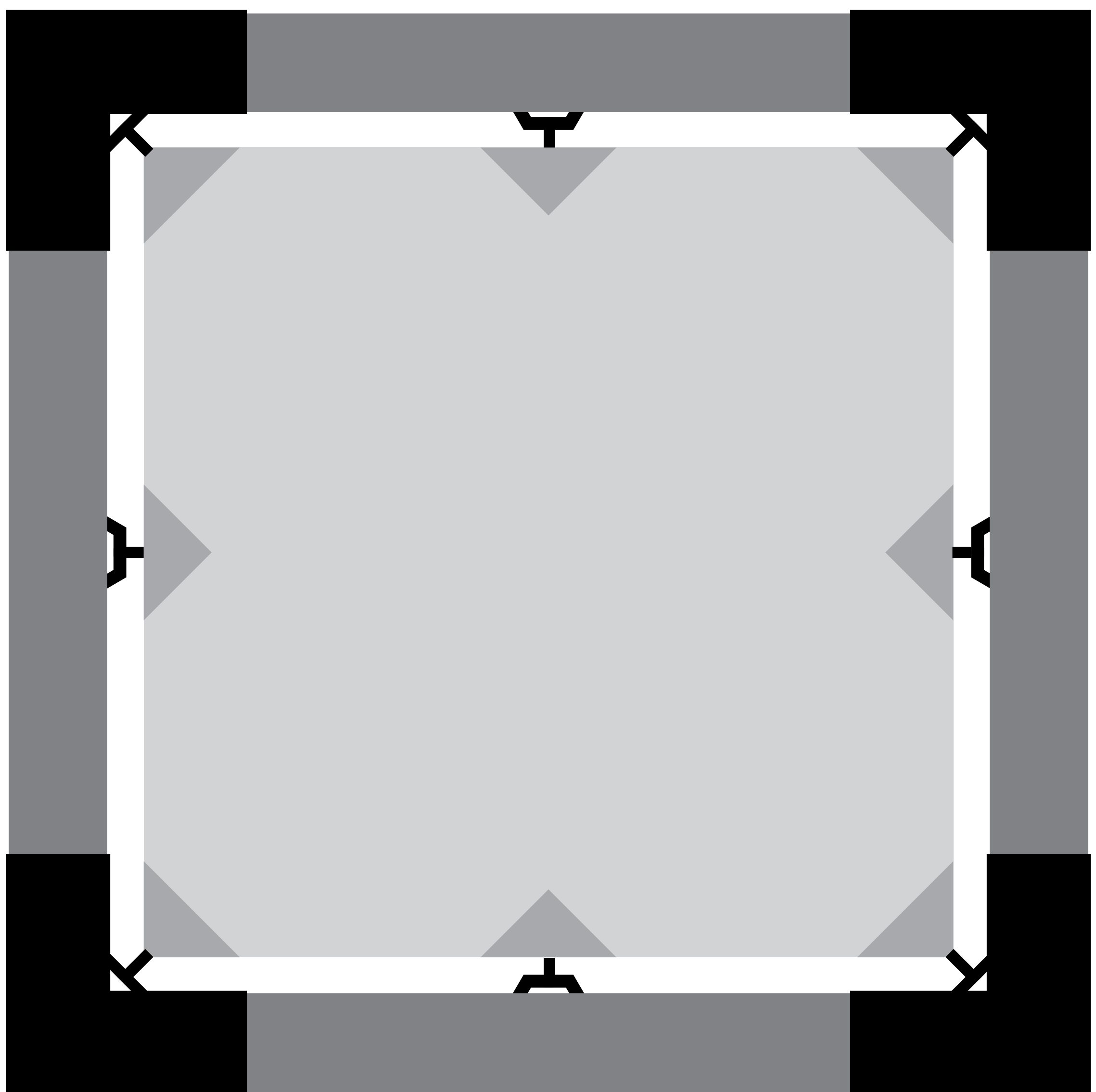
3.3

1. Line up side mounts with buckles on shade.

STEP
3.3

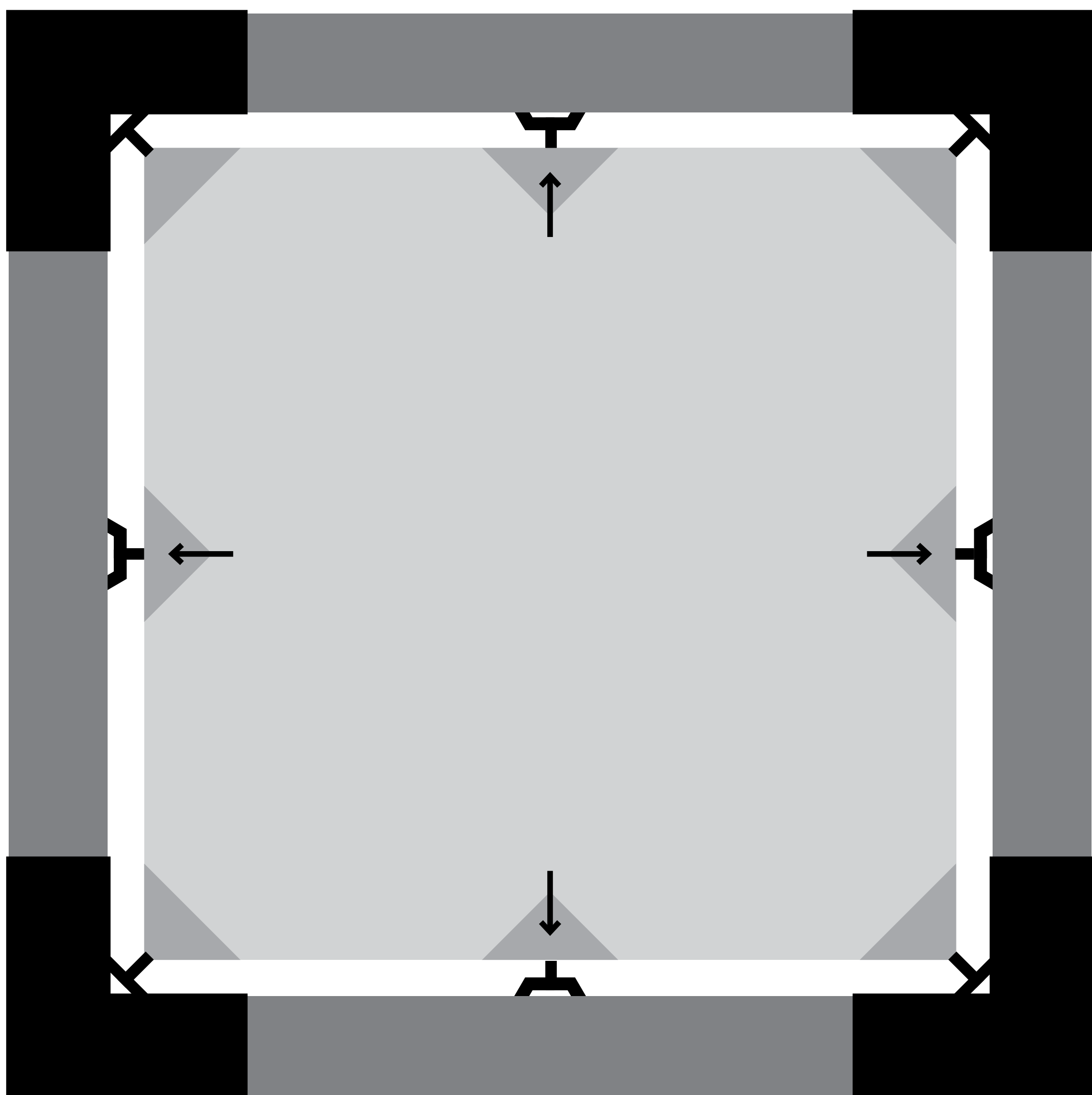


2. Attach side mounts.



TOP VIEW

Step 3.3 Diagram



TOP VIEW

Step 3.3 Diagram



STEP
3.3

3. Loop buckles
and pull tight.

STEP
4.1

BUILDING THE BASE

Slide posts into the
SOLO brackets,
one at a time.



STEP
4.2

BUILDING THE BASE

Secure to wood posts.

Remember 2 screws per side, closest to wood.
That's 4 screws for each wood post.

Set aside, these will be used in Step 5.1



STEP
5.1

LIFTING THE FIRST SIDE

Lift the first side.



PLEASE NOTE:

Lift with your knees.

FOR A 4x4 BUILD

We recommend a minimum of 4 people.
(2 to lift and 2 to insert wood posts)

FOR A 6x6 BUILD

We recommend a minimum 6 people.
(4 to lift and 2 to insert wood posts)

STEP
5.1

LIFTING THE FIRST SIDE

Insert wood posts.



STEP
5.1

LIFTING THE FIRST SIDE

Insert wood posts.

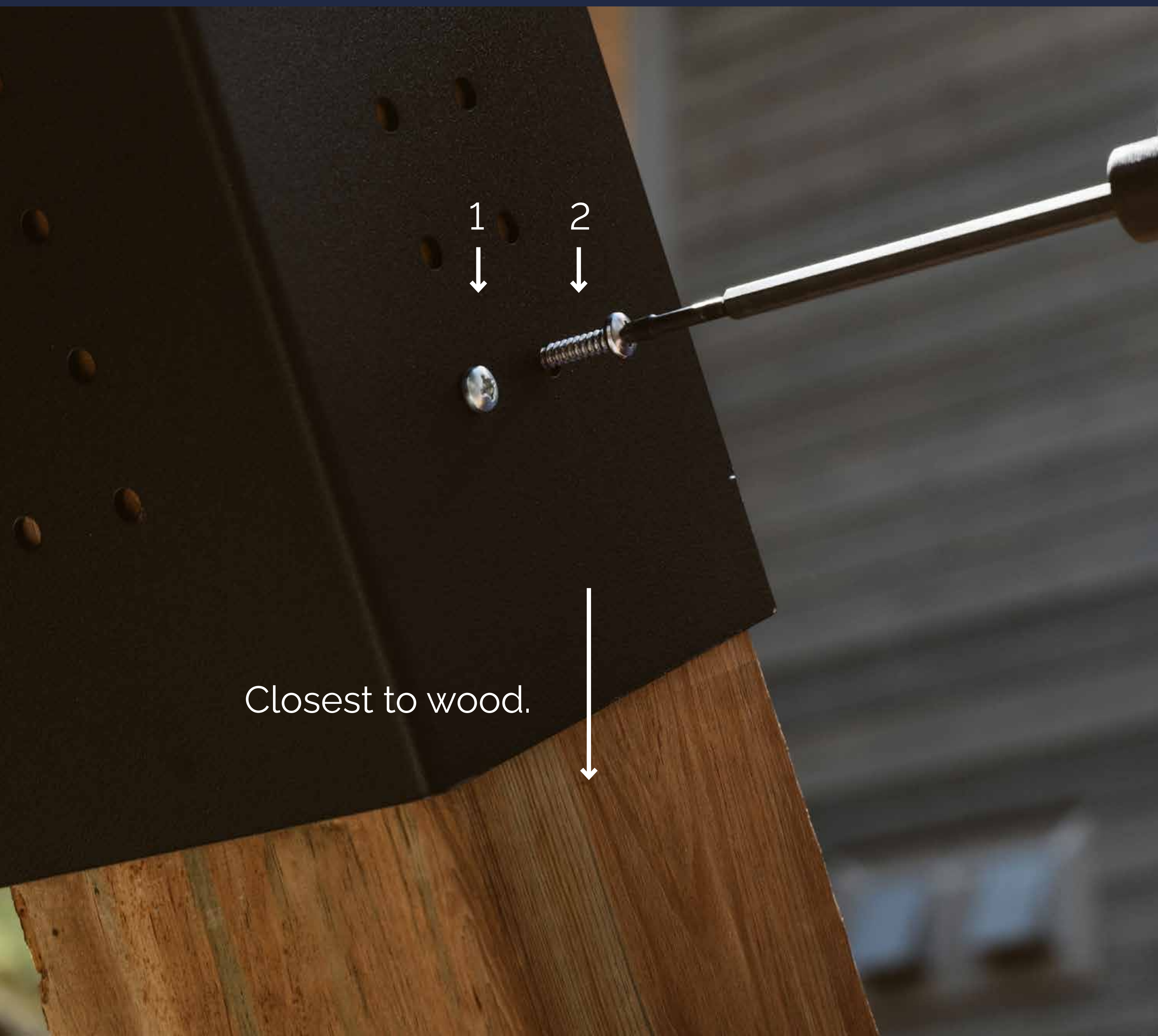


STEP
5.2

SECURING THE FIRST SIDE

Secure to wood posts.

Remember 2 screws per side, closest to wood.
That's 4 screws for each wood post.



STEP
6.1

LIFT SECOND SIDE

Repeat Step 5.1-5.2
on the second side.

STEP
6.2

BUILDING THE BASE

Finishing

1. Align the posts.
2. Level all posts.
3. Anchor

Please note: Anchoring screws and bolts are not included. They are not included because where the structure will be secured, is unknown. Please check with your local building codes to ensure you anchor correctly.

CONGRATULATIONS!

You have built a
Toja Grid pergola!

