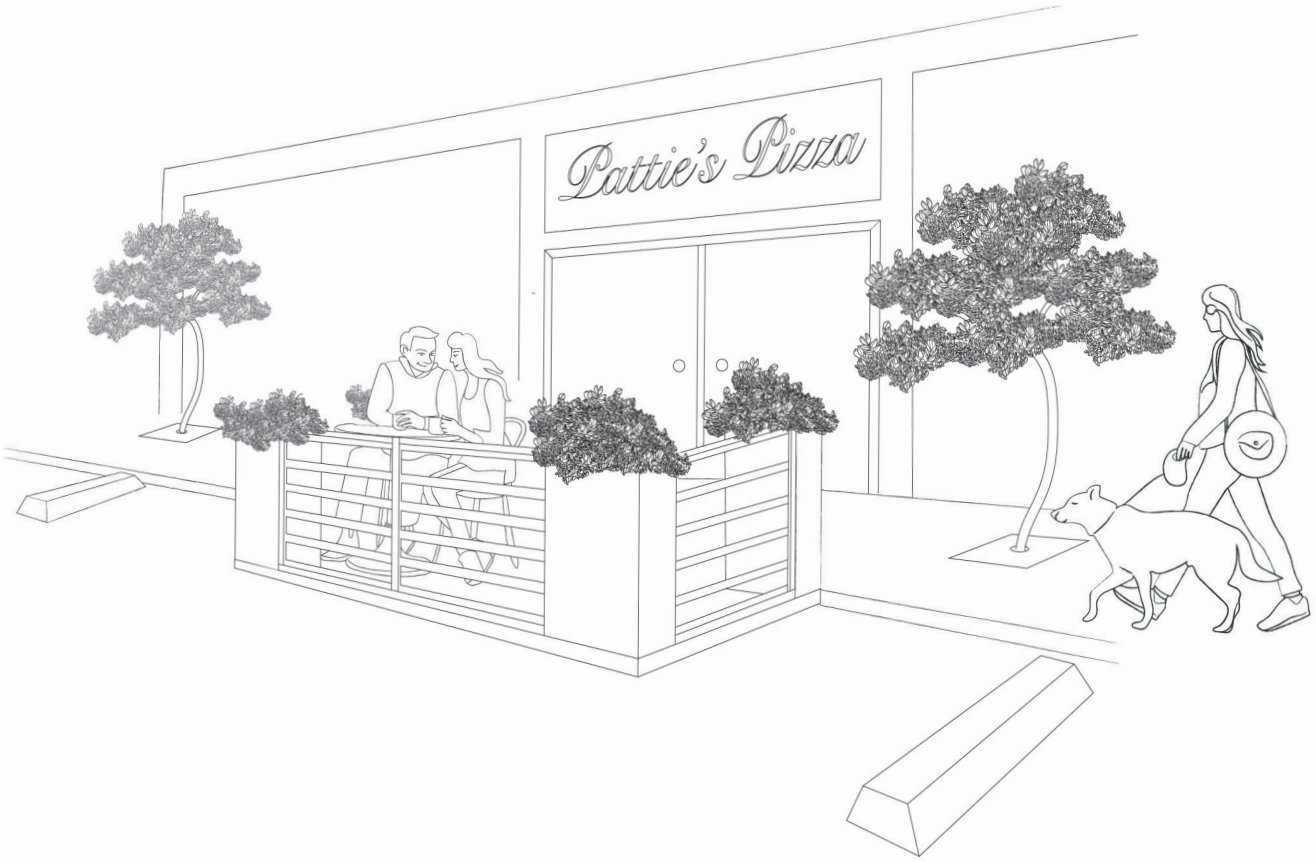
STREET DECK



One-Car StreetDeck

// 6' x 12'

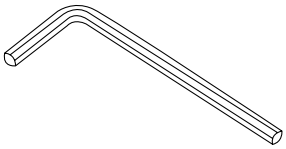
INSTALLATION MANUAL

Archatrak

TOOLS

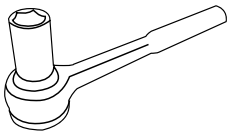
Tools needed to assemble StreetDeck

1 Hex key



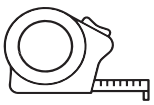
Use hex key with hex socket bolts to secure ramp to ramp brackets and to attach planters to mounting brackets with pre-installed nuts.

2 Socket wrench (10mm)



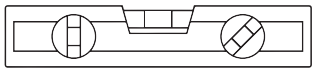
Use socket wrench for nuts on carriage bolts. Power drill with adapter can also be used.

3 Tape measure



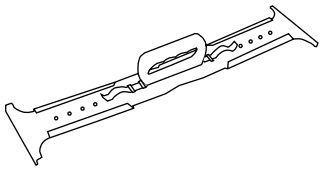
Use tape measure for proper pedestal placement and to check diagonal measurement.

4 6’ or 8’ level



Use level when installing support pedestals and when laying porcelain pavers.

5 Tile lifter (optional)



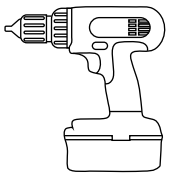
Use tile lifter to remove porcelain pavers from deck when dismantling StreetDeck.

6 Box cutter

Use box cutter to trim tabs off rubber pads.

7 Power drill

with 3/8" bit for metal.

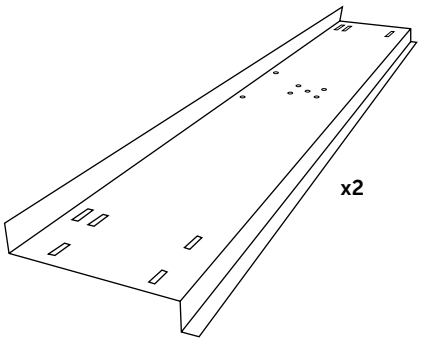


Required for drilling 6 holes into each planter to mount fence panels.

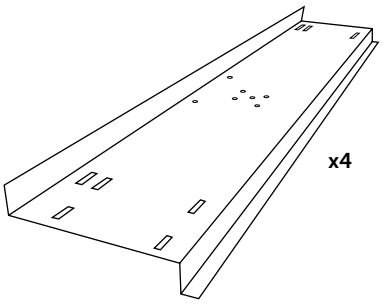
STREETDECK PERIMETER

Components

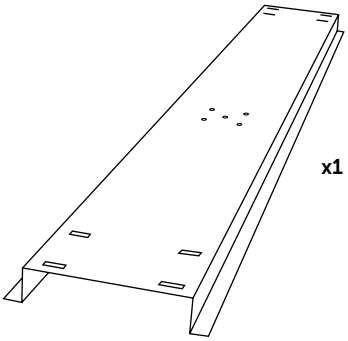
A Perimeter beams 4'W



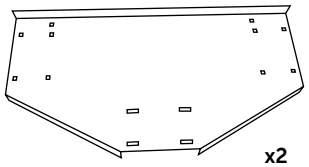
B Perimeter beams 3'W



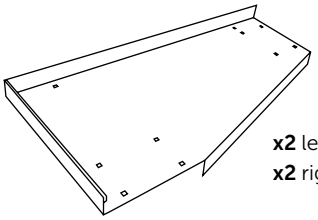
C Crossbeams 4'W



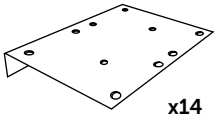
D Middle plates



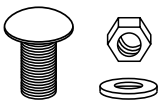
E Corner plates



F Link brackets



G Carriage bolts, nuts & washers



x8 per link bracket

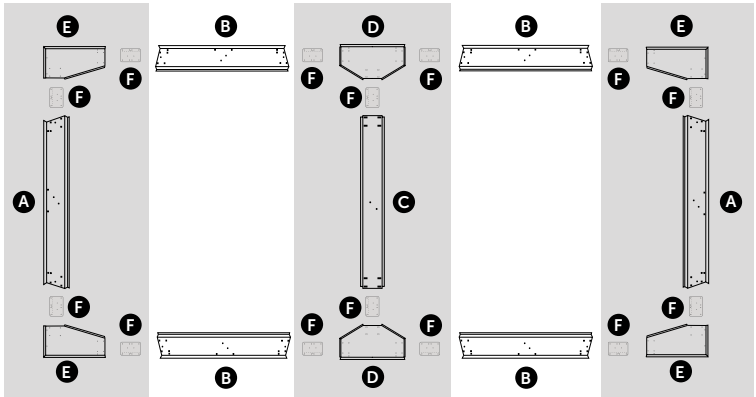
STREETDECK PERIMETER

Assembly

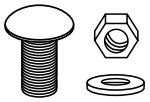
1 Identify perimeter components. Arrange components in the formation shown below.

2 Begin building three sections of the deck—the two sides and middle section indicated by the gray rectangles to the right. To do so, attach link brackets to the crossbeam, middle plates, corner plates and side perimeter beams. Turn each section upside down when connecting the carriage bolts, washers, and nuts to ease the assembly process.

3 From there, attach each section to the perimeter beams with the link brackets and carriage bolts. Wait to fully tighten the bolts as minor adjustments may be needed later on.

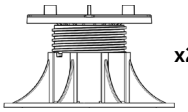


G Carriage bolts, nuts & washers



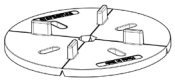
x1 per ramp bracket
x2 per planter and middle bracket

H Support pedestals



x28

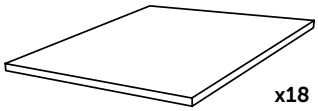
I Rubber pads



x20

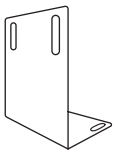
J Porcelain pavers

(24" x24")



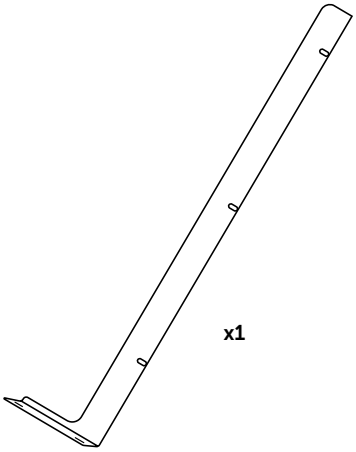
x18

K Planter brackets



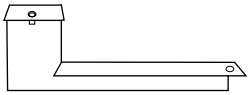
x8

L Middle fence bracket



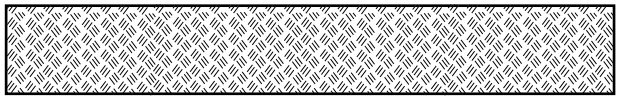
x1

M Ramp brackets



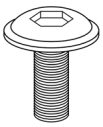
x2 per ramp

N Ramps



x2

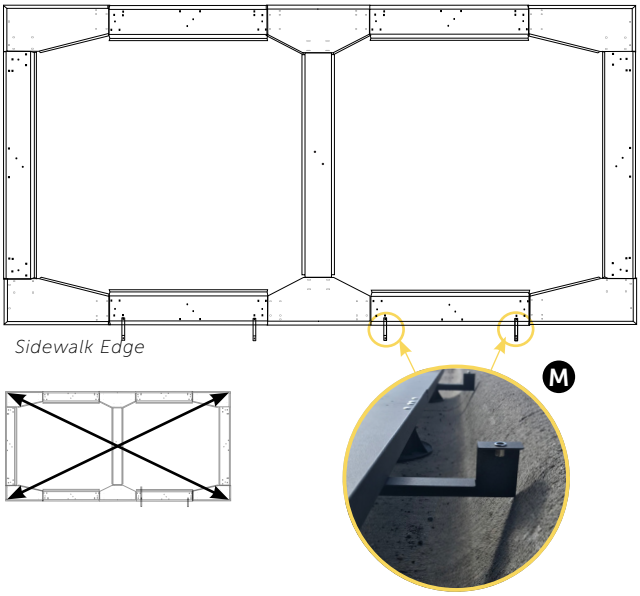
O Hex socket bolts



x2 per ramp

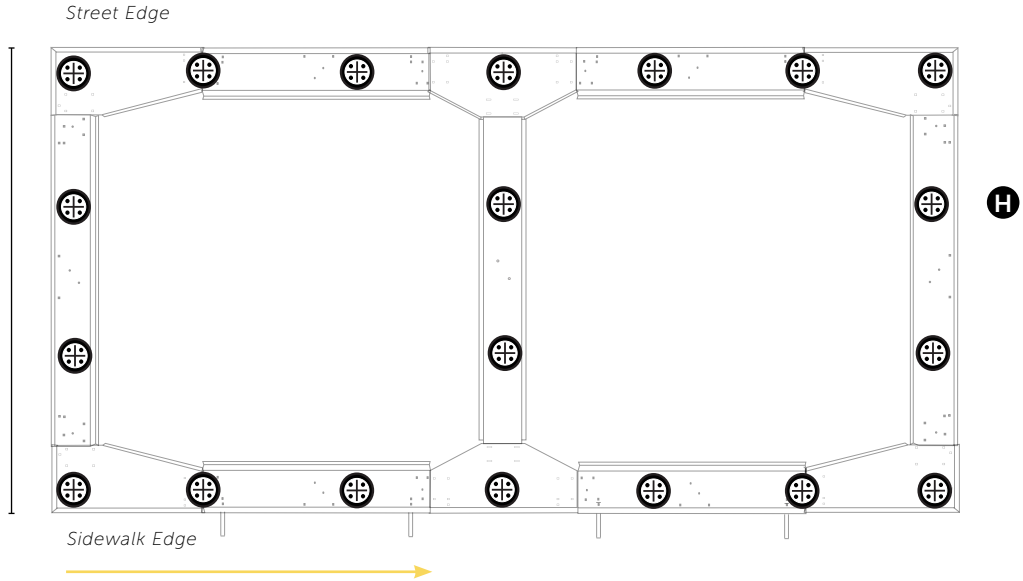
1 Install ramp brackets with protruding end as close to sidewalk as possible. Shift assembled deck closer to sidewalk if necessary.

1.1 Use two ramp brackets Ⓜ per ramp. Choose ramp location based on existing holes located on either end of perimeter beam. Use one carriage bolt, washer and nut Ⓖ to attach each ramp bracket to the perimeter beam. *Repeat this step if you have more than one ramp. Do not attach ramp to brackets until pavers are laid.*



2 Square deck frame by measuring distance between diagonal corners and shifting frame as necessary until both measurements are equal.

3 Use pedestals Ⓗ to elevate StreetDeck perimeter.



3.1 Begin installation with the row of pedestals along the curb. Cut the plastic base of these curbside pedestals along one of the scored lines on the pedestal base, so the pedestals can sit as close to the curb as possible (subject to any drainage regulations). Snap off the 4 spacer tabs on pedestals used under the perimeter frame so the rubber heads will sit flat on the underside of the steel perimeter. Place pedestals at 24" intervals as shown in the drawing above, adjusting the height so the finished deck will be flush with the level of the pavement.

3.2 Lift the steel frame onto the pedestals along the curbside.

3.3 Slide 13 of the remaining pedestals under the frame at 24" intervals as shown, adjusting the height to compensate for the slope of the roadway.

3.4 Adjust pedestal heights to maintain the deck as an extension of the sidewalk. The top of the deck should meet the curb top to create a smooth transition for pedestrians. No paver should wobble or rock when stepped upon.

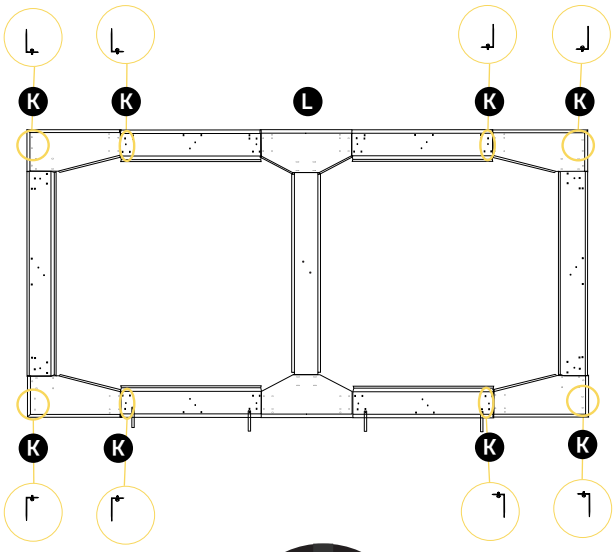
Where 'Uptec' pedestals are supplied, the height is adjusted either by inserting a wide screwdriver or supplied tool into the slot in the center of the pedestals and rotating either left or right to raise/lower, or by holding the screwed column firmly and rotating the pedestal base. Extra height is achieved by inserting additional 'collars' between the screwed column and the base. *Note that the green ring in the top of the 'Uptec' pedestals should remain loose so the head can move slightly and automatically adjust for the slope of the roadway.*

Where 'Eterno' SE pedestals are supplied, the height is adjusted similarly to the 'Uptec' pedestals by rotating the screwed column, but to add extra height, different models of pedestals must be used, each covering a specific height range.

DECKING

Assembly

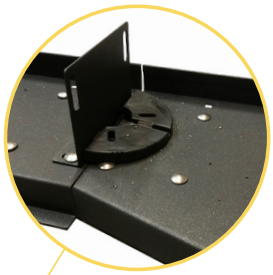
4 Using 2 carriage bolts, washers, and nuts G per planter bracket K,attach planter brackets to perimeter beams and corner plates in pairs per planter location. Planter brackets in each of the four corners should have bottom legs facing the bracket it's paired with. The remaining four planter brackets should have legs facing away from the corners.



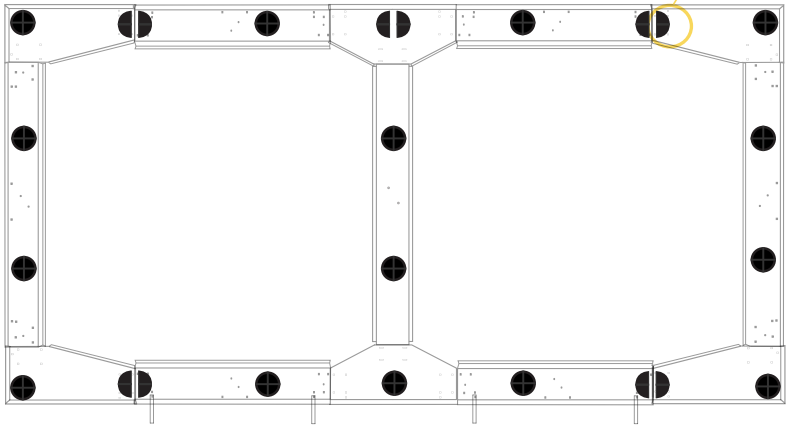
5 At all points where the pedestals are under deck frame components, place a rubber pad I directly above on surface of frame.

5.1 The rubber pads placed at planter bracket K and middle fence bracket L locations need to be cut in half, with half going on either side of the bracket. Spacer tabs should be removed prior to this to ensure that the cut pads do not cover any bolt heads. Use a box cutter to do so.

5.2 Remove all four spacer tabs on each pad placed at each in the corner of the deck and from the pads cut in half for the planter brackets.



5.3 All other rubber support pads require two tabs to be removed. Cut off tabs parallel to deck frame perimeter.

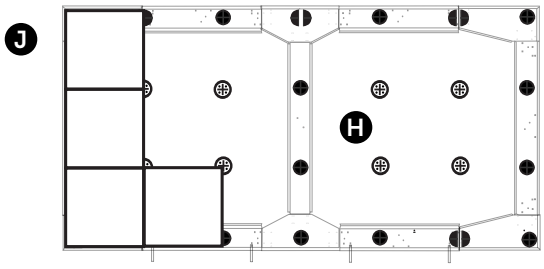


Sidewalk Edge

6 Lay remaining pedestals H and porcelain pavers J.

6.1 Lay remaining pedestals at 24" spacing.

6.2 Lay porcelain pavers, one 3-paver row at a time. Position pavers snug against spacer tabs on pedestal heads taking care not to snap off any tabs. Constantly check the deck surface as you lay the pavers, adjusting pedestal heights as necessary. Note that planter brackets will protrude from the gaps between the pavers.



Sidewalk Edge

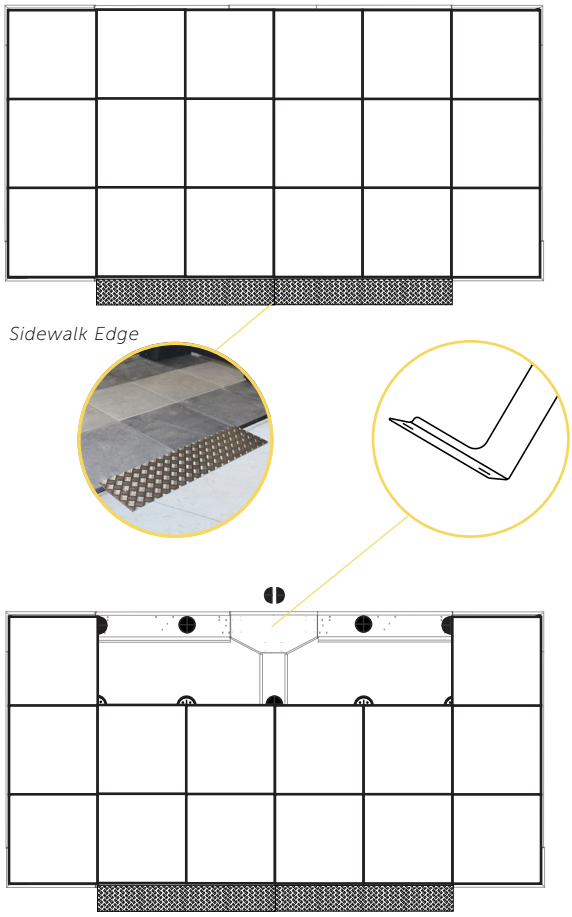
DECKING

Assembly

7 Using the hex socket bolts **O**, secure one 4' ramp **N** to both ramp brackets **M** with hex key and repeat for the next ramp.

8 Follow the steps below to drill holes into the middle plate **L** in preparation for attaching street-side fence panels in the "Fence Assembly" section of this manual.

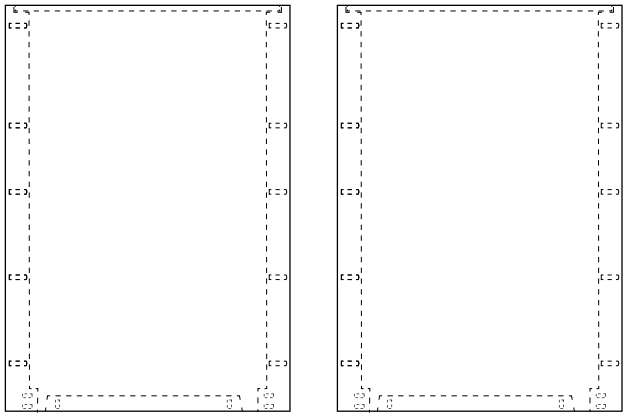
- **6.1** Temporarily remove the street-side row of porcelain pavers and rubber pads that rest between the street-side planter brackets.
- **6.2** Establish how close you want the street-side fence panels to the street-side edge of the structure (2" min).
- **6.2** Use the middle fence bracket as a template to mark the 2 holes needed in the middle plate. Double check that the hole locations are correct so that, when the pavers are reinstalled, the bracket will fit nicely between them. *Note: the holes in the middle plate will be off set from center, because the flange on the fence bracket is offset from center.*
- **6.2** Drill the holes to allow the distance established previously from the street side edge (min 2") and reposition the rubber pads and porcelain pavers.



PLANTERS

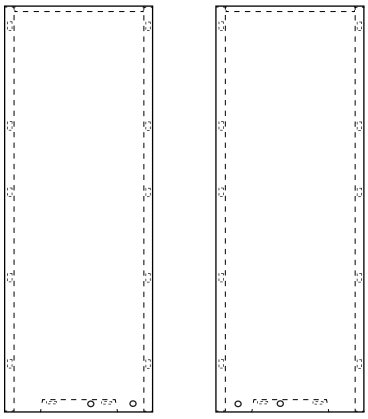
Components

P Planter front and back panels
2'W x 3'H



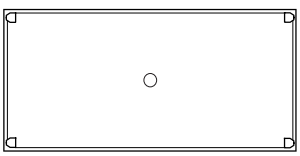
x8

Q Planter side panels
1'D x 3'H



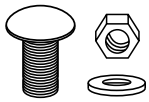
x8

R Planter shelves



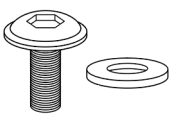
x4

G Carriage bolt, nut & washer



x20 per planter

O Hex socket bolts & washers



x4 per planter

Y Rubber bumper feet

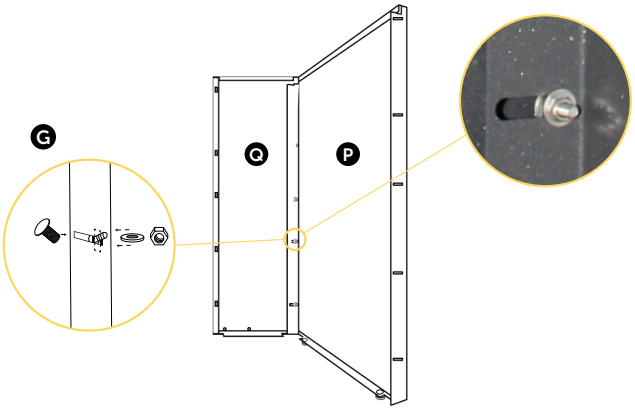
x4 per planter

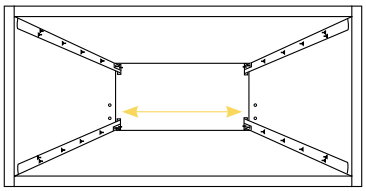
PLANTERS

Assembly

1 Connect side panels Q to front and back panels P .

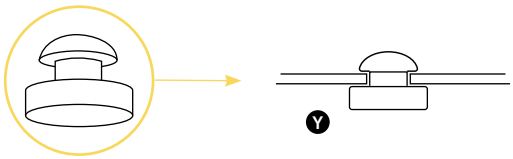
1.1 Using 20 carriage bolts, washers and nuts G . connect side panels Q to front and back panels P. Repeat for remaining planters.



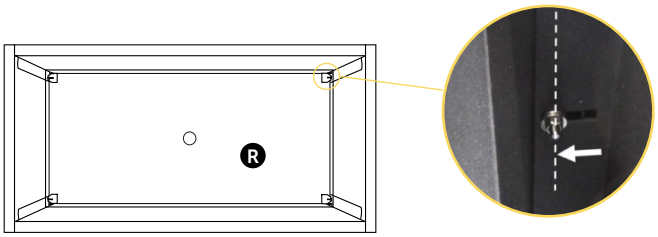


Ensure the 12" wide side panels of the planters are fixed to the 24" wide panels so that the 2 pre-installed rivnuts near the bottom of the 12" panels are closest to the same 24" panel.

2 Insert rubber bumper feet Y in the 4 holes on the base of the planter.



3 Stand planter upright. Decide planter shelf height; insert 4 carriage bolts, washers and nuts G on innermost side of slot. Rest planter shelf R on 4 bolts.

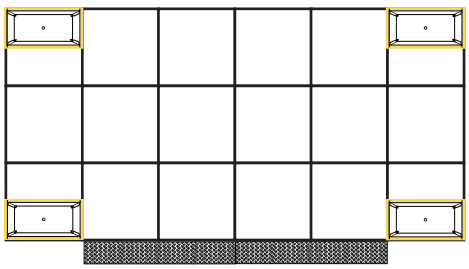


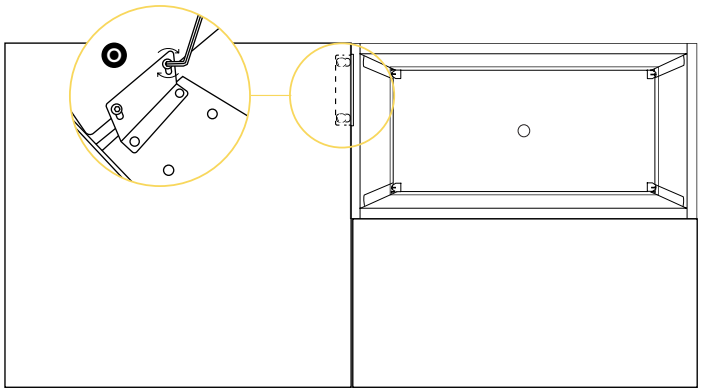
Carriage bolt and nut on innermost side of slot

4 Secure planters to planter brackets.

4.1 Mount planters at each corner of the deck by placing a washer on the remaining two slots in each planter bracket and inserting a hex socket bolt O through each washer into pre-installed rivnuts located near the bottom of the planter side panels.

Placement of planters:

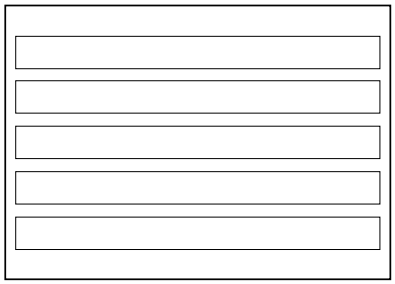




FENCE

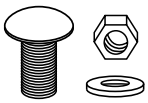
Components

AA 4'W x 3'H fence panels



x4

G Carriage bolts, nuts & washers



x6 per fence panel

FENCE

Assembly

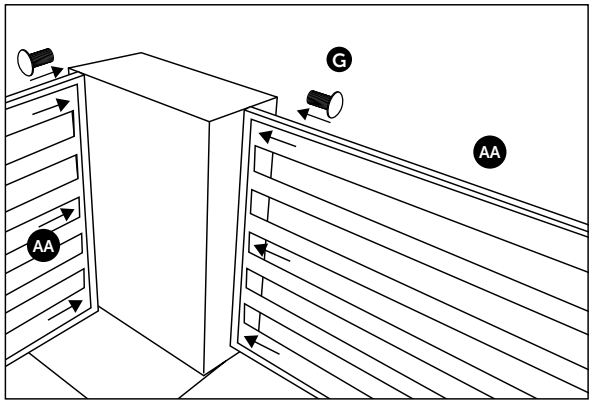
1 Install the fence panels.

1.1 Mount side panels to planters.

Since StreetDeck permits custom fence panels and railings to be used, holes for mounting panels to the planters are not pre-drilled in the planters.

1.2 For the fence panels on the short sides of the deck, use the pre-drilled holes in the panels as a guide and drill 3 x 3/8" dia. holes in the sides of the 2 planters to which the fence panels will attach: 2" (min.) from the edge of the planters.

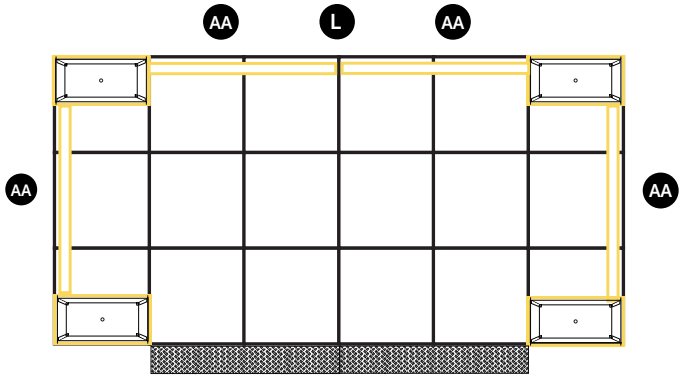
1.3 Attach fence panels to planters with 3 carriage bolts, washers and nuts per side.



2 Mount remaining panels to planters and middle fence bracket **L**.

2.1 Using the pre-drilled holes in the panels as a guide, drill 3 x 3/8" dia. holes in the sides of the planters, 2" (min.) from the edge of the planters. Attach one end of each fence panel to each planter.

2.2 Connect the 2 fence panels to each other and to the upright middle fence bracket with 3 carriage bolts, washers and nuts.



⚠ *CAUTION*

While Archatrak porcelain pavers are exceptionally dense, durable and rigid, they can suffer damage due to mishandling, careless treatment or accidental impact. If hard objects are dropped on the pavers from a significant height, chips, scratches, surface damage and / or cracking and breakage may occur. Where a deck height is greater than 4", especially in high traffic commercial installations, appropriate reinforcement sheets or protective panels should be installed on the underside of the pavers.

See archatrak.com/break-through-protection for further information.

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