Installation Manual

One-Car StreetDeck
6' x 12'
Tools needed to assemble StreetDeck

1. **Hex key**
   - Use hex key with hex socket screw to secure ramp to ramp bracket.

2. **Socket wrench (10mm)**
   - Use socket wrench where carriage bolts and hex screws are required.

3. **Tape measure**
   - Use tape measure for proper SE pedestal placement.

4. **4’ or 8’ level**
   - Use level when installing SE support pedestals and when laying porcelain pavers.

5. **Hand saw**
   - Use hand saw to shorten length of watering pipes in planter boxes.

6. **Tile lifter**
   - Use tile lifter to remove porcelain pavers from deck when dismantling StreetDeck.
Assembling the StreetDeck Perimeter

Components

A. Perimeter beam 4’W

B. Perimeter beam 3’W

C. Crossbeam

D. Middle plate

E. Corner plate

F. Link bracket

G. Hex head bolts & flange nuts

STREETDECK PERIMETER

A

B

C

D

E

F

G

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1. Identify perimeter components. Arrange components in formation of StreetDeck (see below).

2. Begin attaching perimeter components together using link brackets. Begin with the outer perimeter beams, followed by crossbeams.

2.1 Connect corner plates, perimeter beams and middle plates using link bracket. Secure link brackets to underside using 8 hex head bolts and flange nuts per link bracket.

2.2 Secure link bracket to underside of crossbeam and middle plates using 8 hex head bolts and flange nuts per link bracket.
DECKING Components

For StreetDeck with ramp:

**H** 'SE' support pedestals

![Image of SE support pedestals](image)

x28

**I** Rubber pads

![Image of rubber pads](image)

x20

**J** 24” x 24” porcelain pavers

![Image of porcelain pavers](image)

x18

**M** Ramp bracket

![Image of ramp bracket](image)

x2 per ramp

**G** Hex head bolts & flange nuts

![Image of hex head bolts and flange nuts](image)

x8 per link bracket

**N** Ramp

![Image of ramp](image)

x1

**O** Hex socket screw

![Image of hex socket screw](image)

x2 per ramp

For StreetDeck with planters:

**K** Planter bracket

![Image of planter bracket](image)

x8

**L** Middle bracket

![Image of middle bracket](image)

x1

**G** Hex head bolts & flange nuts

![Image of hex head bolts and flange nuts](image)

x2 per planter and middle bracket
1 Decide ramp location and 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 (see above). Use one hex head bolt and flange 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 SE pedestals to elevate StreetDeck perimeter.

3.1 Begin on one of the 6’ sides. Snap off the 4 spacer tabs on pedestal heads to allow underside of frame to sit flush on pedestal head. Pedestal heights are adjusted by holding the screw column firmly and rotating the pedestal base left or right to raise/lower the pedestal. StreetDeck perimeter height should be level with sidewalk height so ramp will sit flush on pavers and sidewalk.

3.2 Elevate remainder of perimeter frame towards opposite 6’ side. Place pedestals every 24” and use level along perimeter frame to check for necessary pedestal height adjustments. Typically shorter pedestals are necessary on the street edge, transitioning to incrementally taller pedestals toward the sidewalk edge.
4 Attach planter brackets 1 and middle bracket 2 to StreetDeck perimeter frame. If StreetDeck does not have planters, you may skip this step and go to step 5.

Using 2 hex head bolts and flange nuts 6 per planter bracket 5, attach planter brackets to perimeter beams and corner plates in pairs per planter location. Planter brackets in each of the four corners should have curved bottoms facing the bracket it’s paired with. The remaining four planter brackets should have curved bottoms facing away from the corners.

Using 2 hex head bolts and flange nuts 3, attach middle bracket 3 to crossbeam and middle plate.

5 At all points where the SE pedestals are under deck frame components, place a rubber pad 8 directly above on surface of frame.

Rubber pads placed at planter bracket location are cut in half, with half going on either side of planter bracket.

Using a box cutter knife, remove all 4 spacer tabs on the four pads located in the corners and pads cut in half at planter brackets.

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

6.1 Lay remaining SE pedestals in 24” increments.

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 for level as you lay the pavers, adjusting pedestal heights as necessary. Note that planter brackets (where installed) will protrude from the gaps between the pavers.

7. Using the hex socket screws, secure the 4’ ramp to both ramp brackets with hex key.

Repeat this step if using multiple ramps.
**Components**

**P** Planter front and back panels
2’W x 3’H

**Q** Planter side panels
1’W x 3’H

**R** Planter front and back panels
2’W x 2’H

**S** Planter side panels
1’W x 2’H

**T** Planter shelf

**G** Hex head bolts and flange nuts

**U** Planter feet

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1. Using 2 hex head bolts and flange nuts, securely tighten the planter feet to front and back panels ensuring the base portion of the L shaped foot is facing inwards. Leave exactly 1” of the foot protruding from the base of the panel.

There should be one foot on either side of the front and back panels.

2. Connect side panels to front and back panels.

   a. Using 20 hex head bolts and flange nuts connect side panels to front and back panels. Repeat for remaining two 3’H planter.

   b. Using 16 hex head bolts and flange nuts, connect side panels to front and back panels. Repeat for second 2’H planter.

3. Stand planter upright. Decide planter shelf height; insert 4 hex head bolts and flange nuts on innermost side of slot. Rest planter shelf on 4 bolts.
Secure planter boxes to planter brackets.

For planters in four corners, use socket wrench to secure 2 hex head bolts through each planter bracket into existing rivet nuts located towards the bottom of the planter side panels.

Secure middle planter to middle bracket by inserting two hex head bolts down through front and back panel into top of middle bracket. Tighten with flange nuts.

Placement of planters:
PLANTER SOIL SACK

Components

V Soil sack

W Drain hose

X Insulation panels

Y Watering pipe

Z Filter fabric
1 Insert soil sack with drain hose in planter. Insert drain hose into hole located in the center of the planter shelf. Insert the insulation panels against inside edge of all four panels. Carefully check that the edges of the soil sack stand upright.

2 Place watering pipe in the corner of planter. Use hand saw to shorten length of watering pipe if necessary. Cover the drain hole with piece of filter fabric.

3 Fill sack with soil and plant vegetation.
**Components**

- **AA** 3’W x 3’H fence panel

- **AB** 3’W x 2’H fence panel

- **G** Hex head bolt

  - x6 per fence panel
Attach fence panels to planters by screwing 6 hex head bolts into existing rivet nut holes.

3’H fence panels attach along the 12’ long street edge, while the 2’H fence panels attach along the 6’ ends of StreetDeck.