



Installation Requirements and Instructions for: Play Base 20, Play Base 24, Play Base 24HD

IMPORTANT

*These instructions are not site specific and outline standard procedures for the installation of the Brock Play Base system.
For site specific issues not explained in this document, please contact your Brock distributor.*

A. General Information

Panels

Each Play Base panel measures L 1.47m x W 1.15m
Net coverage of each panel is 1.60m²

Pallets – Play Base 20

Each pallet measures L1.50m x W1.20m x H1.20m
Each pallet weighs 100kg
Each Play Base 20 pallet contains 50 panels = 80m² net installed area

Pallets – Play Base 24

Each pallet measures L1.50m x W1.20m x H1.20m
Each pallet weighs 90kg
Each Play Base 24 pallet contains 42 panels = 67.20m² net installed area

Pallets – Play Base 24HD

Each pallet measures L1.50m x W1.20m x H1.20m
Each pallet weighs 100kg
Each Play Base 24HD pallet contains 42 panels = 67.20m² net installed area

Preparation

Play Base panels are intended to be installed on a solid or compacted sand or stone sub base covered with a geotextile. Prior to installation, the sub-base must be inspected and measured to assure that the entire surface has been graded to specification.

B. Equipment Requirements

Fitting:

2.0m metal straight-edge
fine point ink marker
heavy-duty utility knives (cutters)

Clothing:

Soft-soled shoes and sunglasses for all labour

D. Offloading

A forklift is required to offload the Play Base pallets from the delivery truck.

E. Pallet placement and storage

The Play Base pallets should always be placed on a flat level surface. Pallets are not be stacked on top of one another. The Play Base packaging is not meant to withstand long-term outdoor storage.

F. Installation Crew

Play Base can be installed by one or more workers.



G. Panel fitting

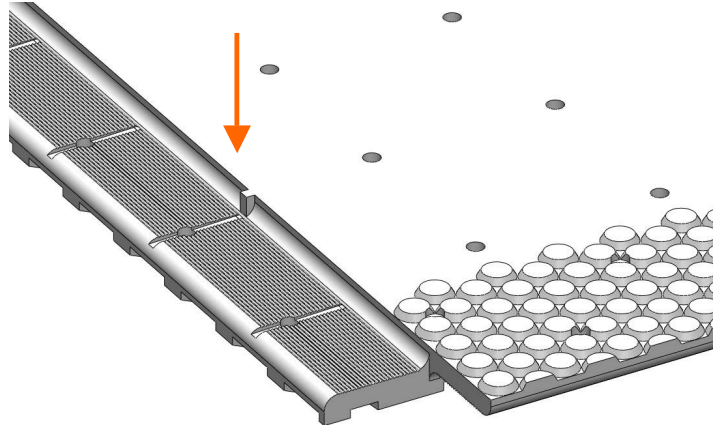
Play Base panels are installed together by overlapping the edges.

The overlapping edges are to be fit together against **small offset ribs**.

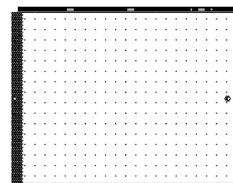
These offset ribs are designed for easy and precise placement, allowing for required spacing between each panel.

This space between panels compensates for thermal expansion during and following installation.

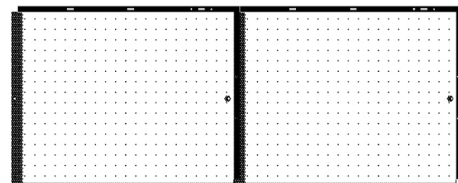
Along the short sides of the panels are pins and slots that interlock to ensure straight rows.



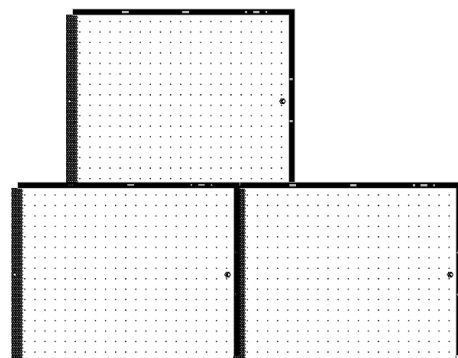
Play Base installs from left to right. Arrows mark the center edges of the panel



Play Base panels are fit together end to end to form rows. Two pins fit into two corresponding slots to ensure straight rows.



Rows of panels are fit together by overlapping the edges along the long sides of the panels.



Note on Thermal Expansion

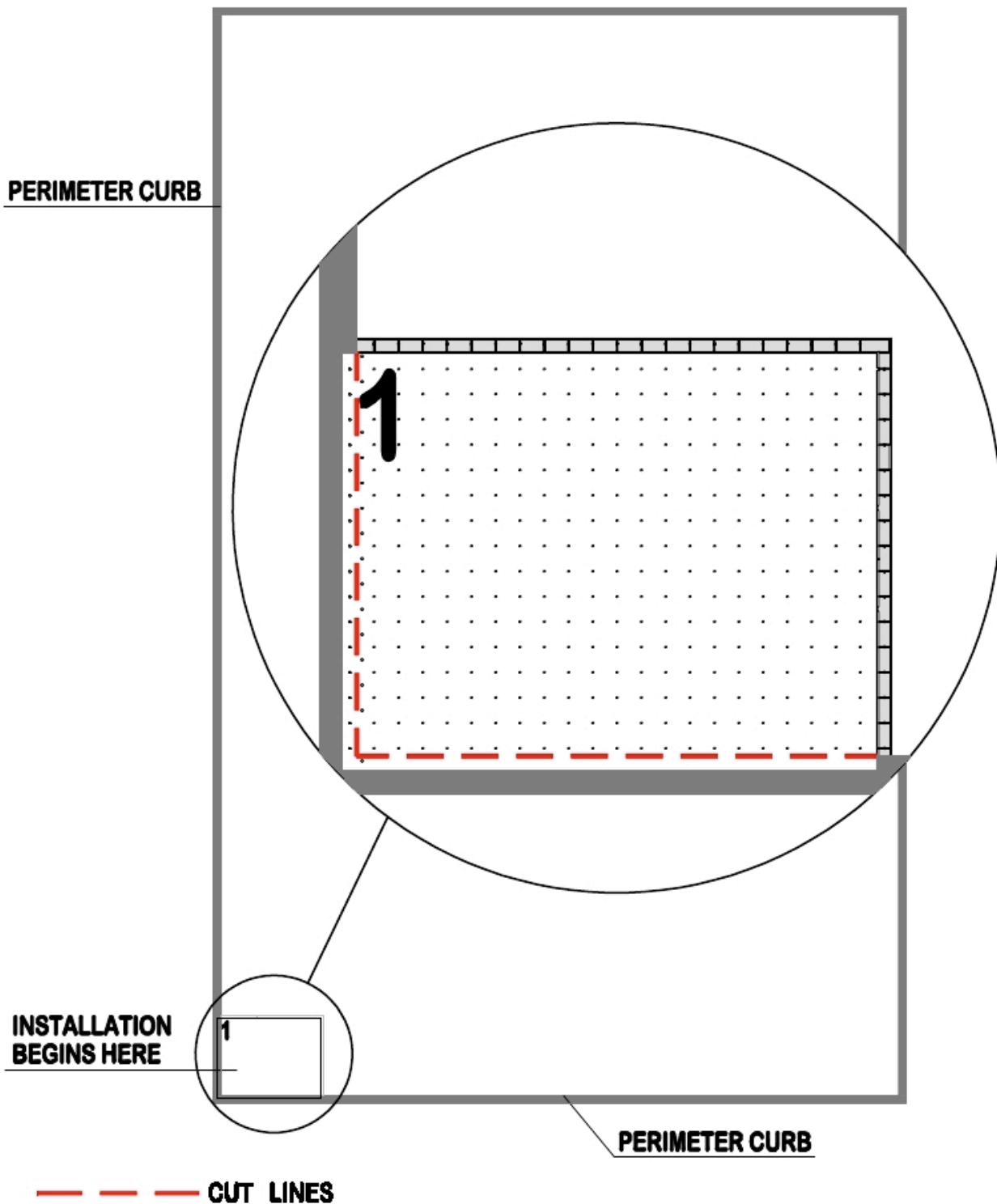
All materials are susceptible to dimensional changes through temperature change. Materials expand when temperature increases and contract when temperature decreases. The Play Base system is designed to install with spacing between the panels to allow for thermal expansion. By allowing for thermal expansion between each panel, the installed surface will be stable through temperature change.

If the Play Base and turf systems are being installed when ambient temperatures are cool or cold, ($<10^{\circ}\text{C}$), care should be taken to trim the Play Base system into the perimeter curb in a way that a 5mm space is allowed between the edge panels and curb to allow for thermal expansion when temperatures increase.

- See page 10 for fitting Play Base around fixed playground equipment -

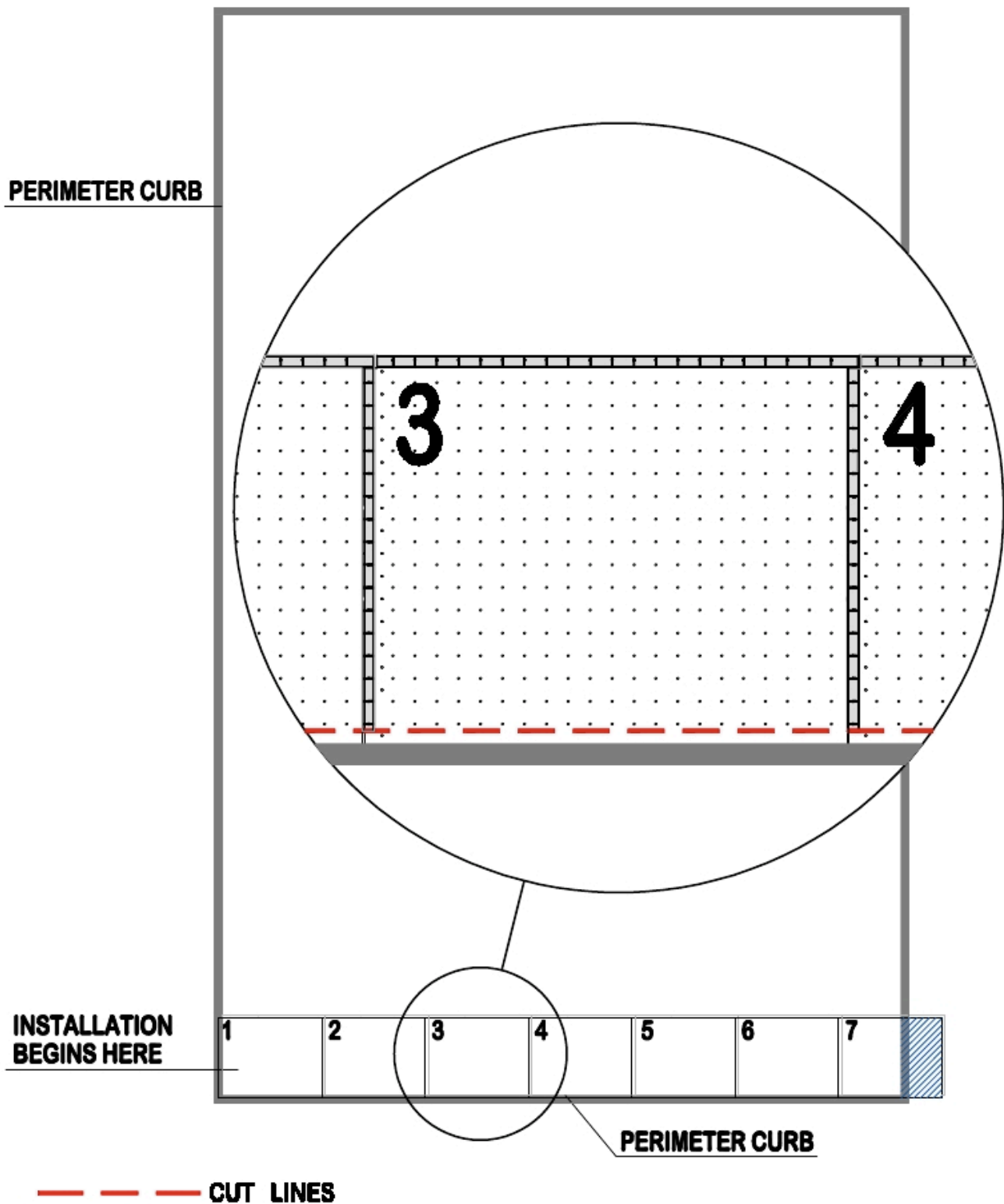
Step 1: Install 1st panel Play Base panels are installed by beginning in the corner of the playground area. Cut off the outside overlapping edges on the long and short sides of the first panel as shown in Fig. 1. Place the 1st panel in the corner of the area to be installed.

Fig. 1



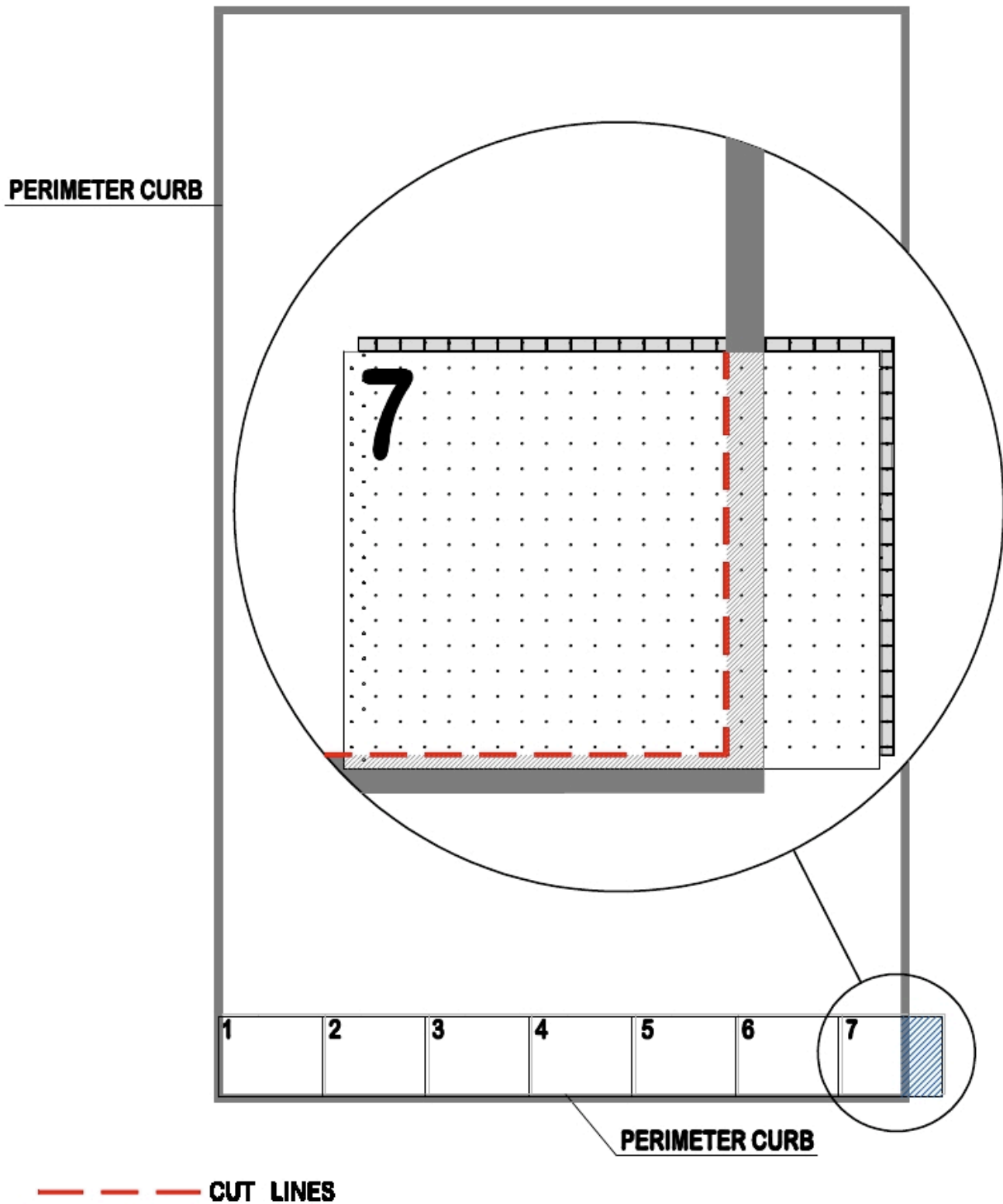
Step 2: install 1st row Cut off the outside overlapping edges of panels (2, 3 and 4) as illustrated in Fig. 2. Continue the first row by fitting the panels together end to end as shown below.

Fig. 2



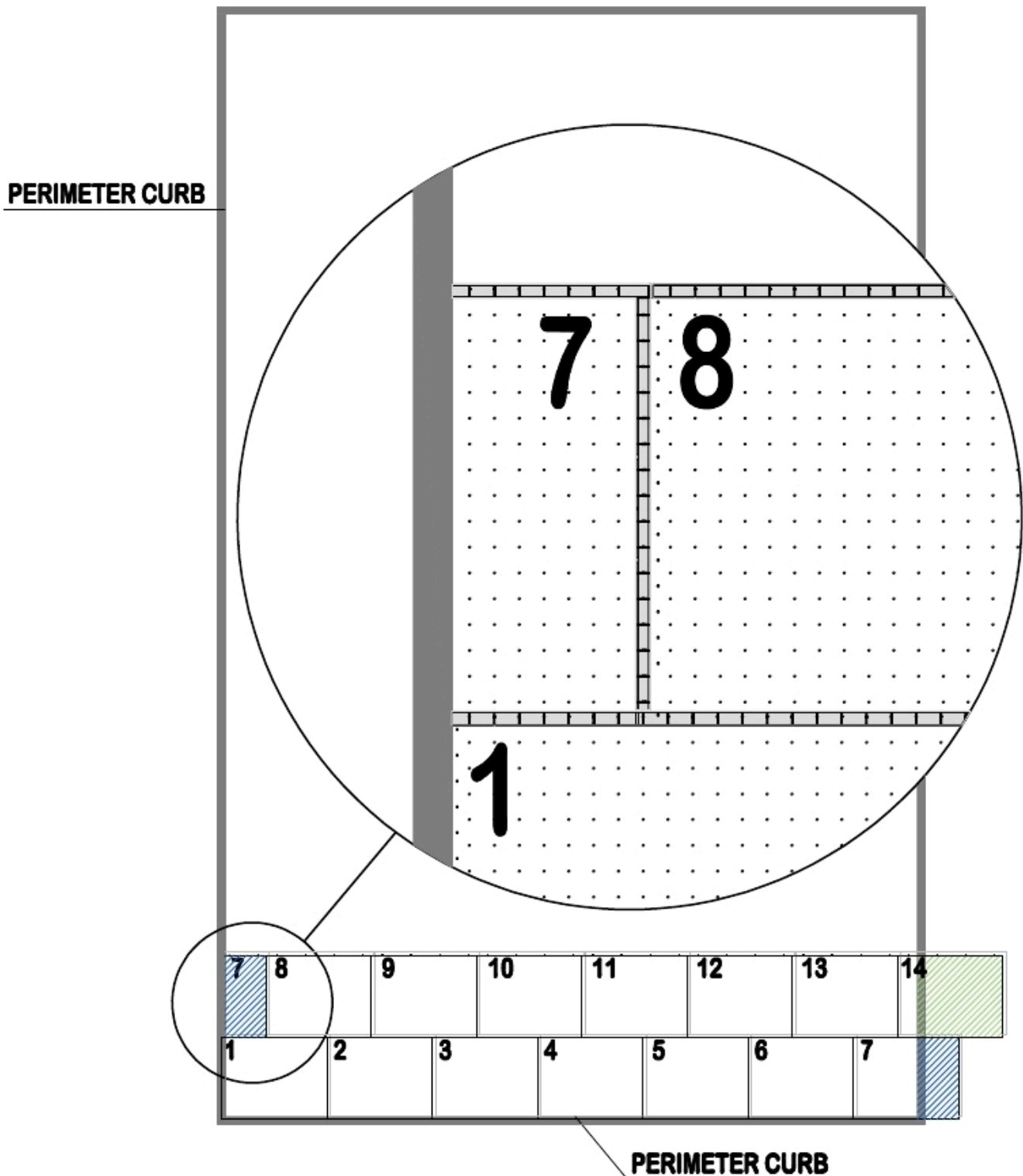
Step 3: Complete 1st row Cut the last panel of the row into the playground edging as illustrated in Fig. 3. The cutoff piece of panel (7) will be used to begin the 2nd row of installation. (Fig. 4)

Fig. 3



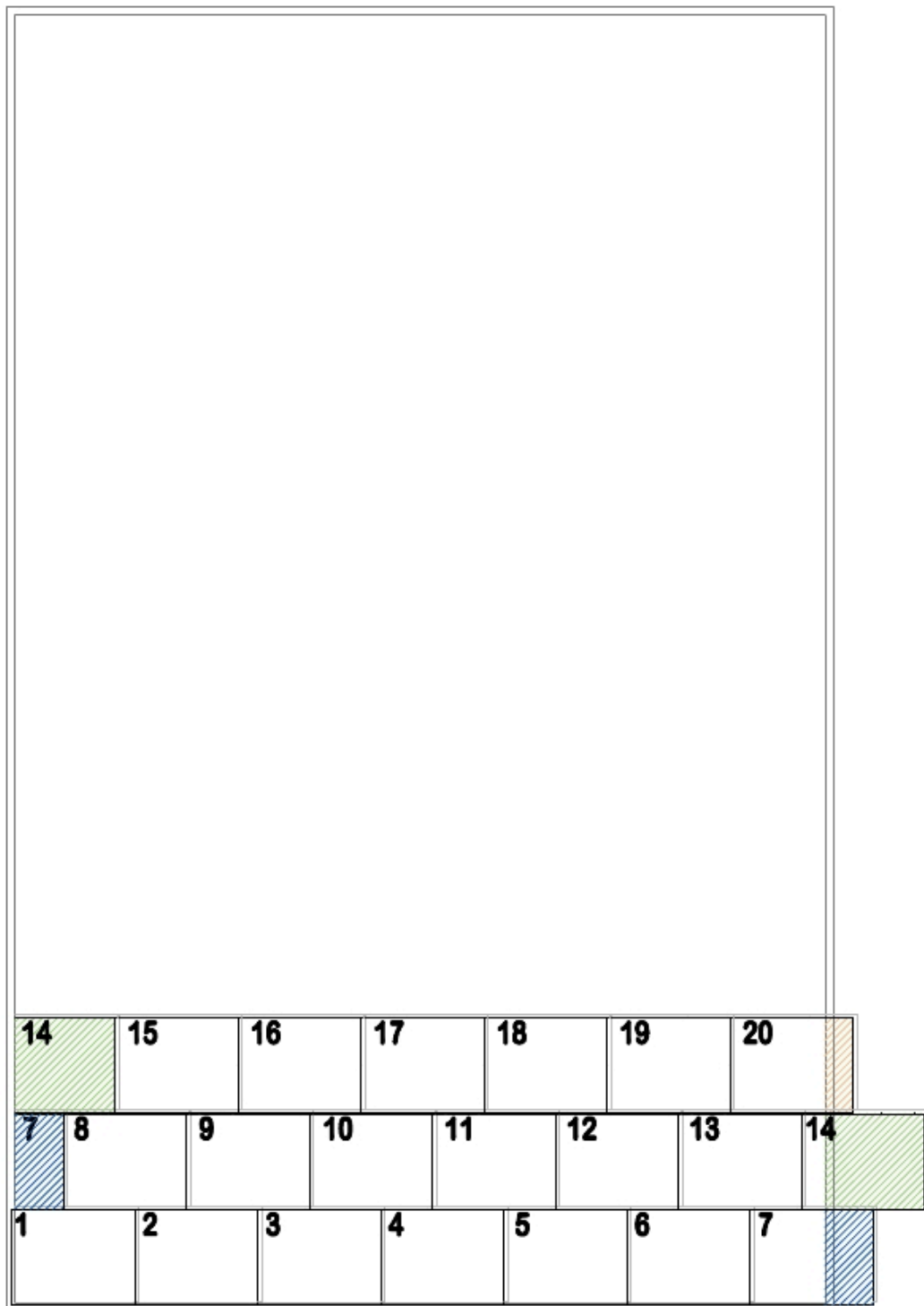
Step 4: Install 2nd row The cutoff piece of panel (7) will be used to begin the 2nd row of installation as illustrated in Fig. 4. The 2nd row of panels is placed by overlapping the long edges of the panels with the first row. Complete the row by cutting the final panel (14) into the curb. The cutoff piece from panel (14) will be used to begin the 3rd row of installation.

Fig. 4



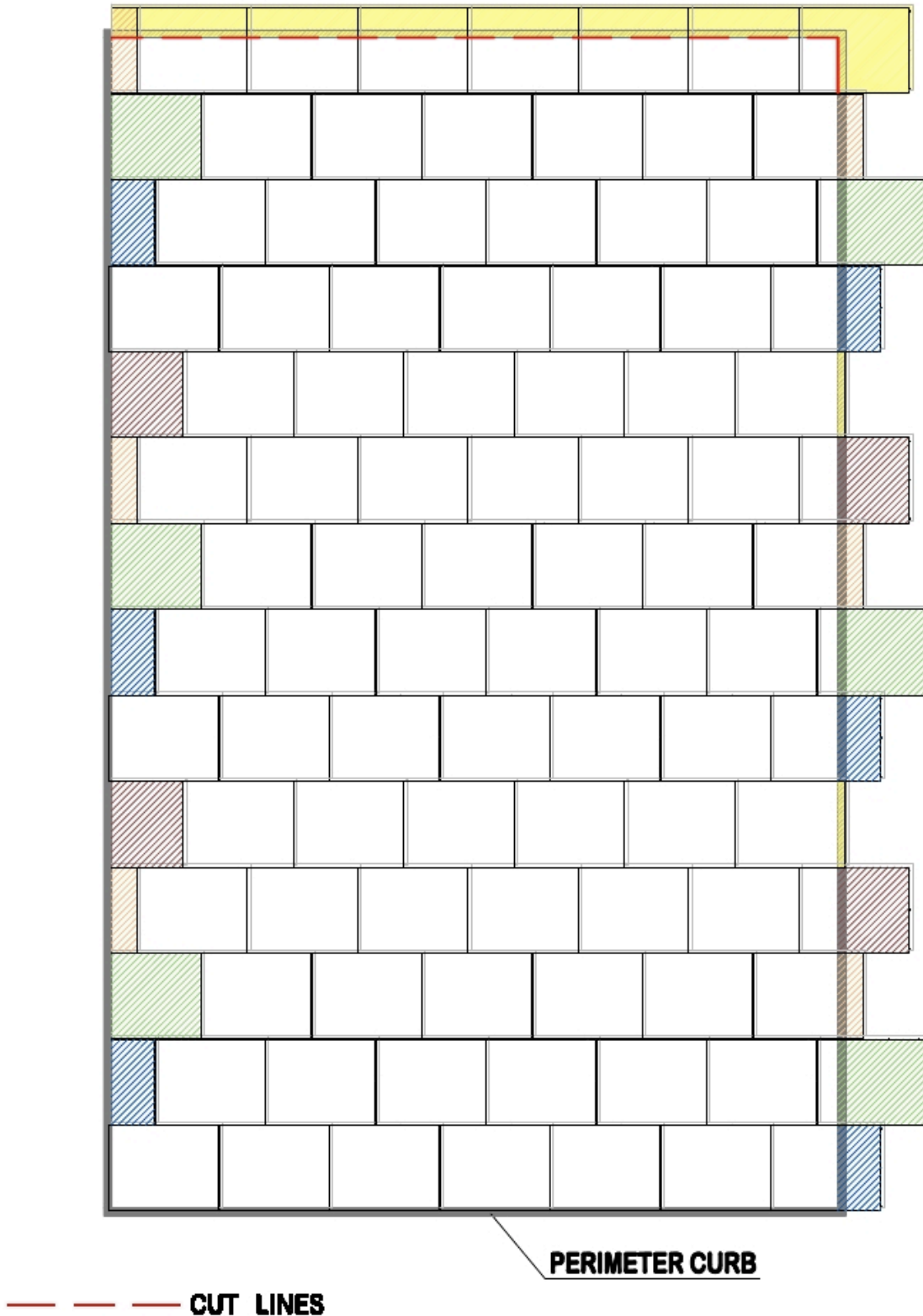
Step 5: Install 3rd row The cutoff piece of panel (14) will be used to begin the 3rd row of installation as illustrated in Fig. 5. The 3rd row of panels is placed by overlapping the long edges of the panels with the 2nd row.

Fig. 5



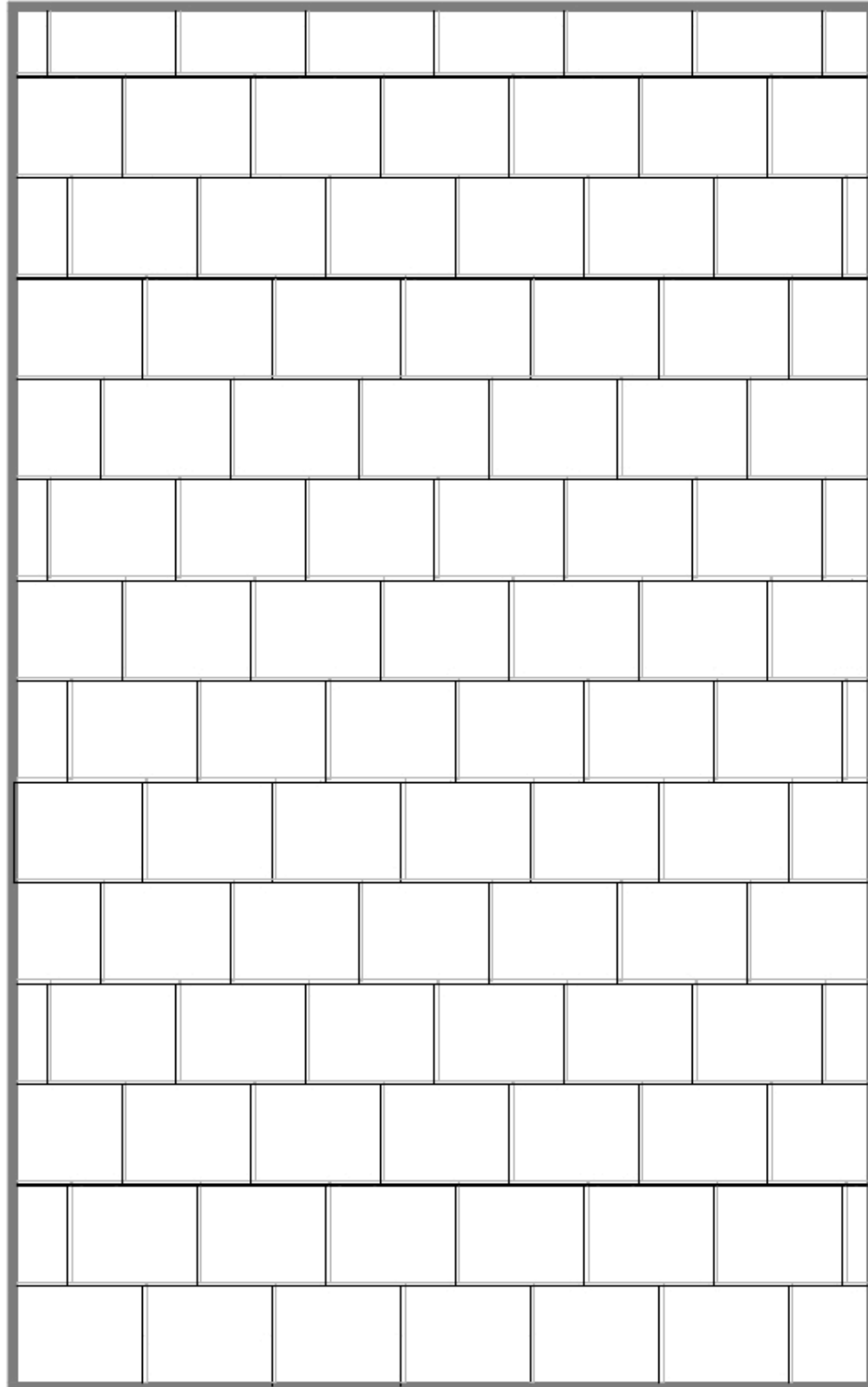
Step 6: Complete installation Continue to install rows of panels as described in Steps 4 and 5. The cutoff piece of the final panel in each row is used to begin the following row. If the cutoff piece is less than 120mm in length, discard as waste and begin the next row with a new panel. The final row of panels will be cut into the perimeter as illustrated in Fig. 6.

Fig. 6



Install turf and infill: Fig. 7 illustrates a completed Play Base installation. The surface is now ready for artificial turf and infill installation. Heavy machinery or equipment that is not designed specifically for artificial turf installation or maintenance is not to be used over a Play Base surface.

Fig. 7



Fitting Play Base panels around playground equipment fixtures: Fig. A-D illustrates the procedure to fit panels around fixed posts or objects.

