

# Logical Crate

## Basic Crate Set (160mm Width)



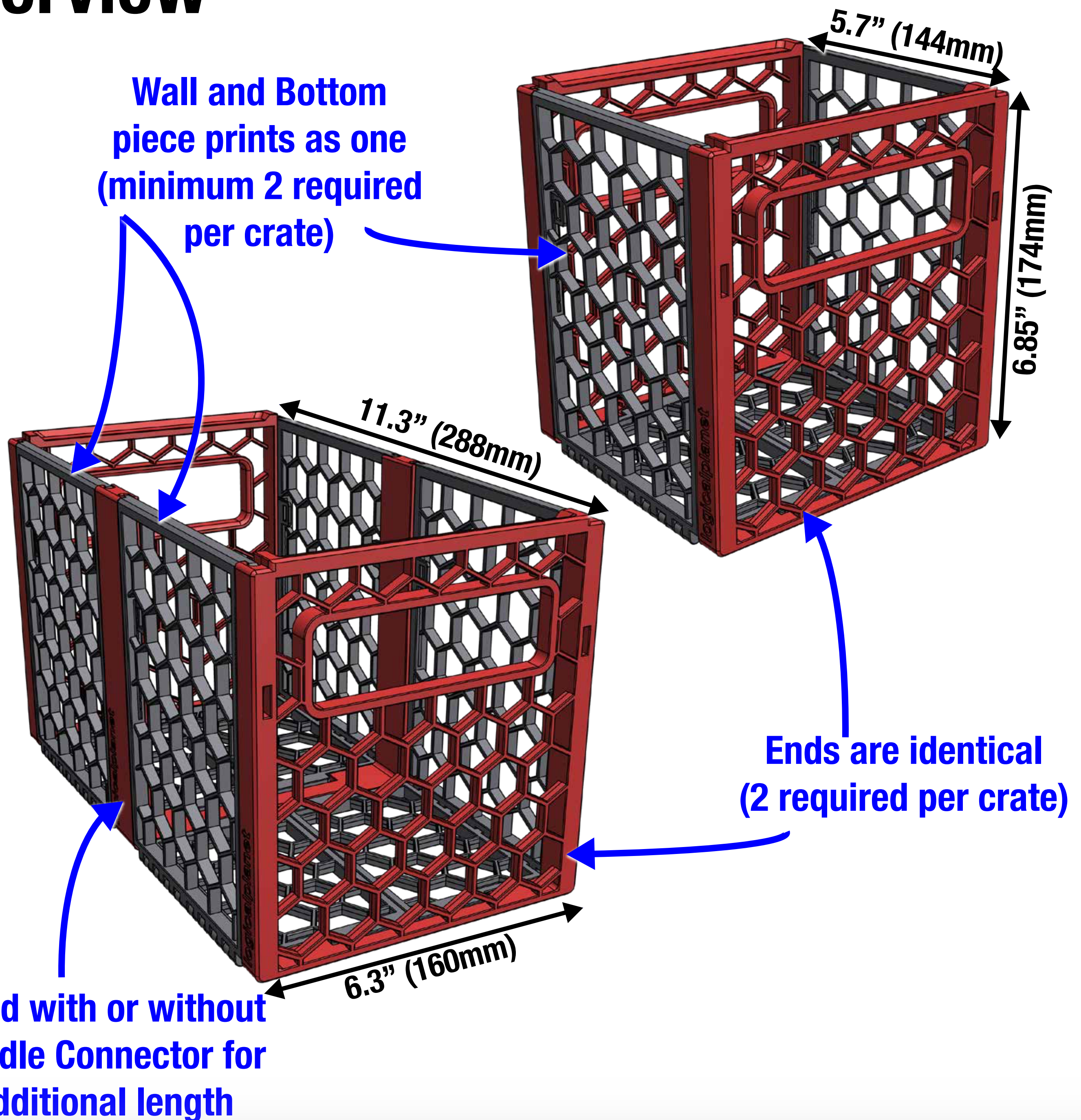
**Writable Snap-on  
Label Card Included**

**Snap-together  
Disassemblable  
Reconfigurable  
Strong & Stackable  
100% printed  
No hardware required  
No support required**

**Freezer & Fridge  
Compatible**

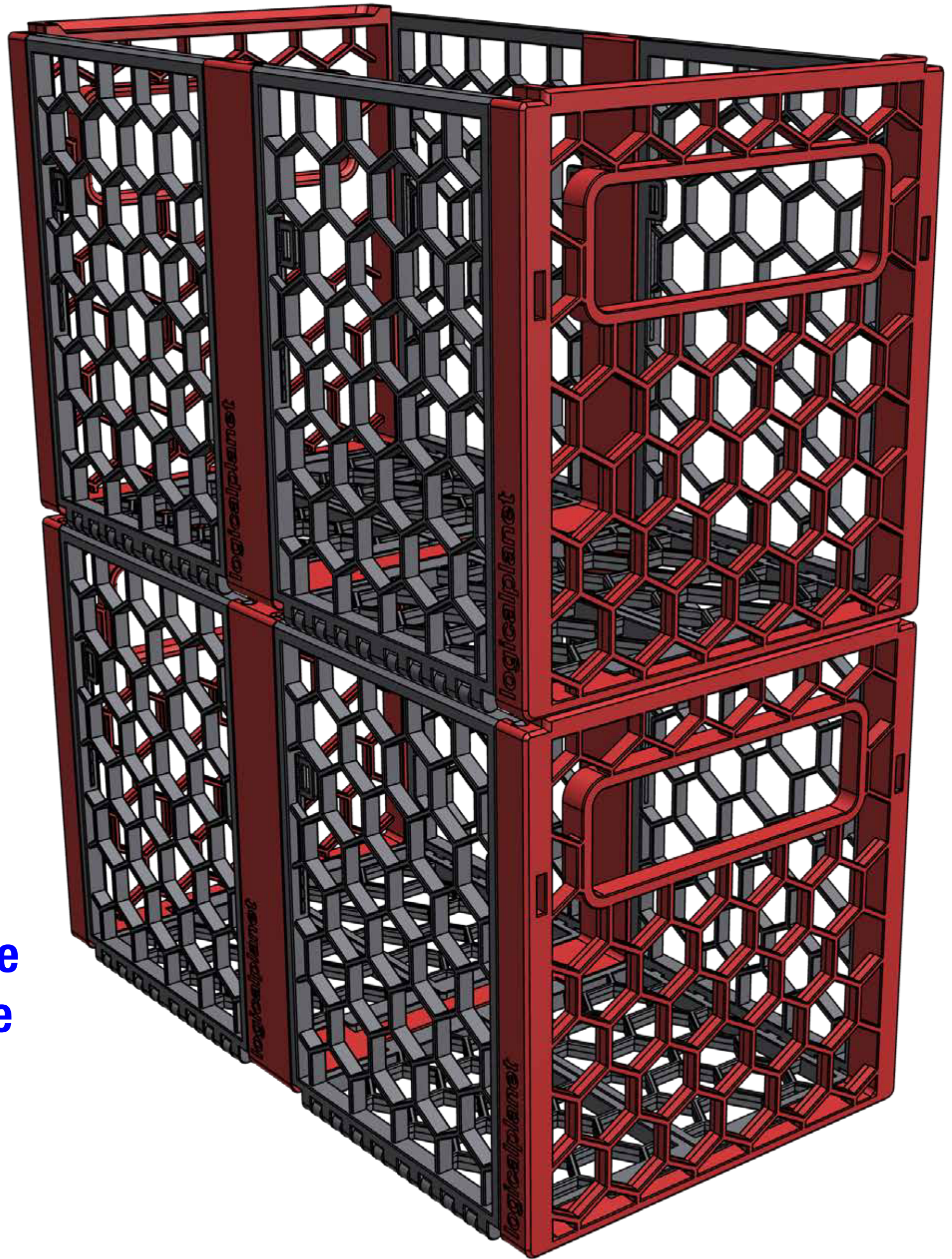


# Logical Crates Overview





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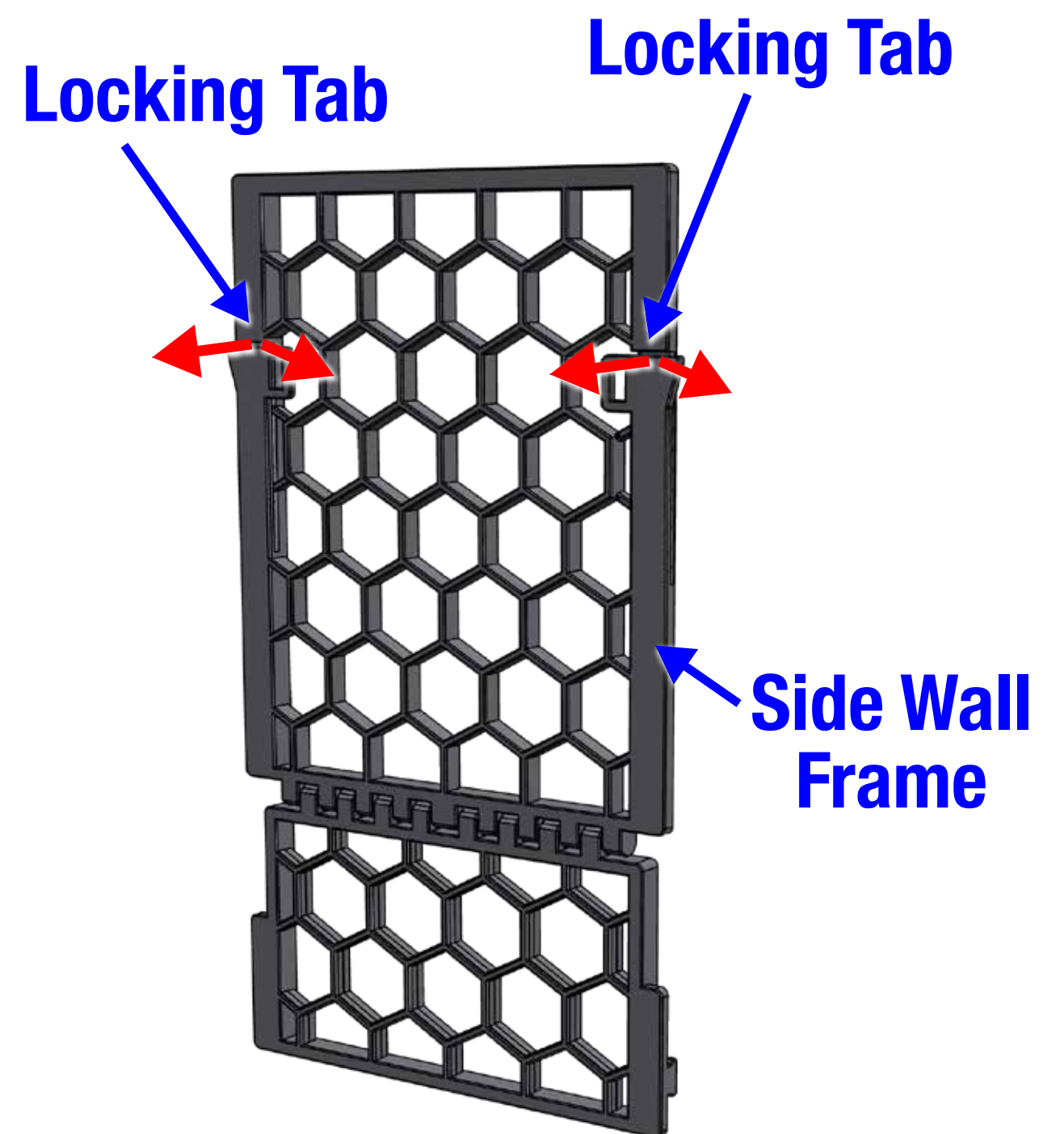
**Crates of the same  
size are stackable**



# Logical Crates Assembly

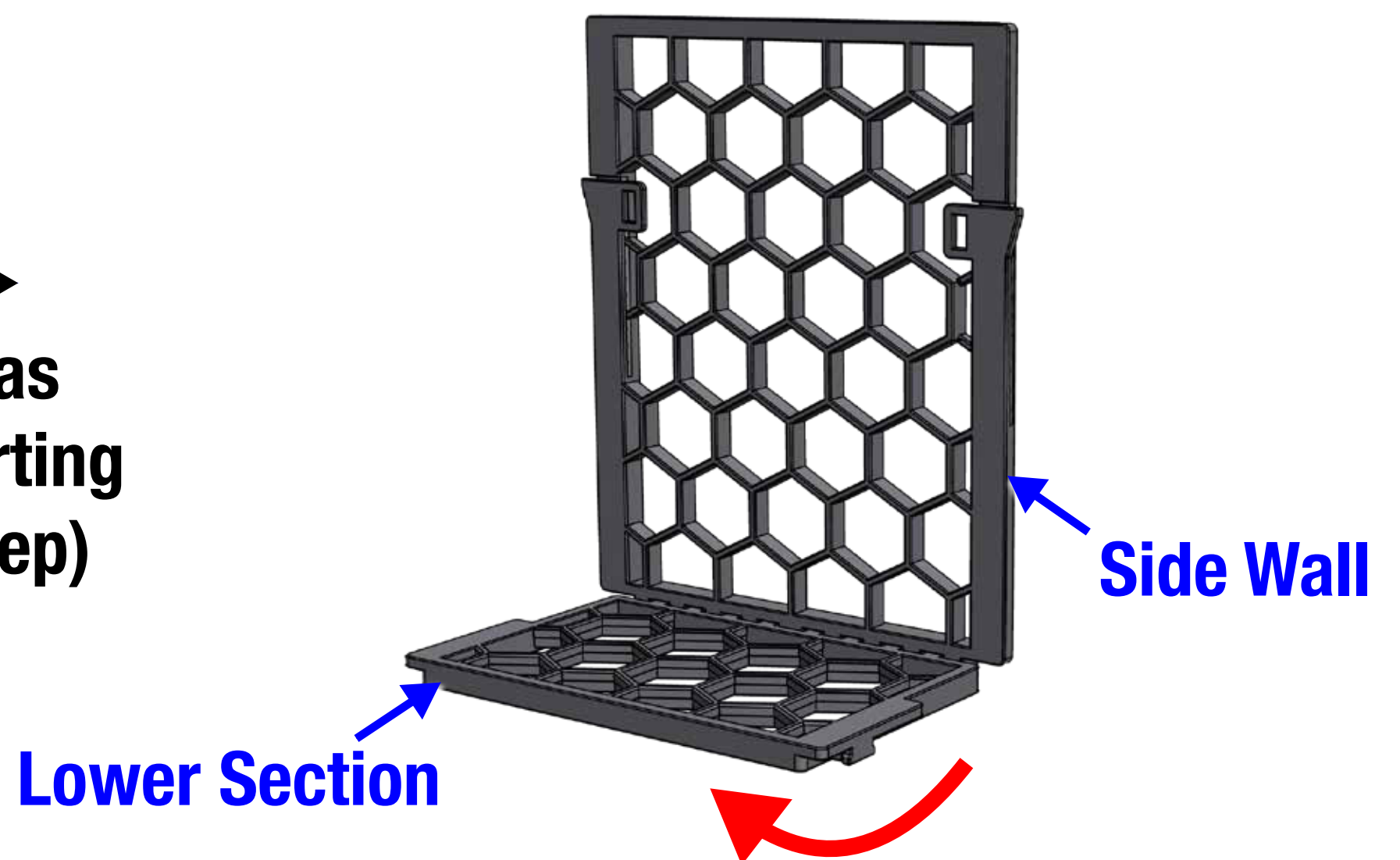
**01** →

Free the two Locking Tabs by gently prying them away from the Side Wall Frame to ensure they are able to move freely



**02** →

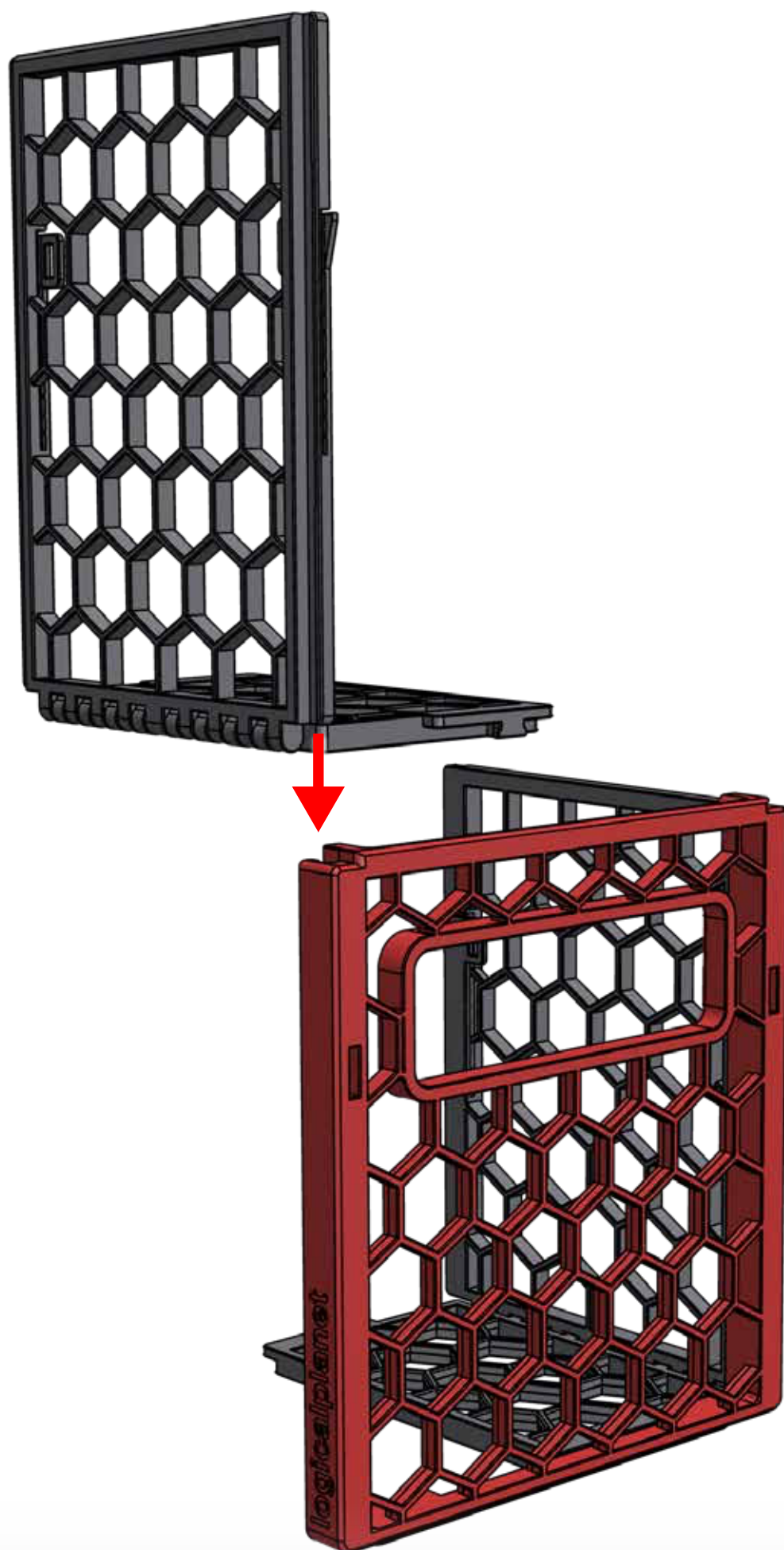
Rotate up the Lower Section (as shown) in preparation of inserting the walls into the End (next step)



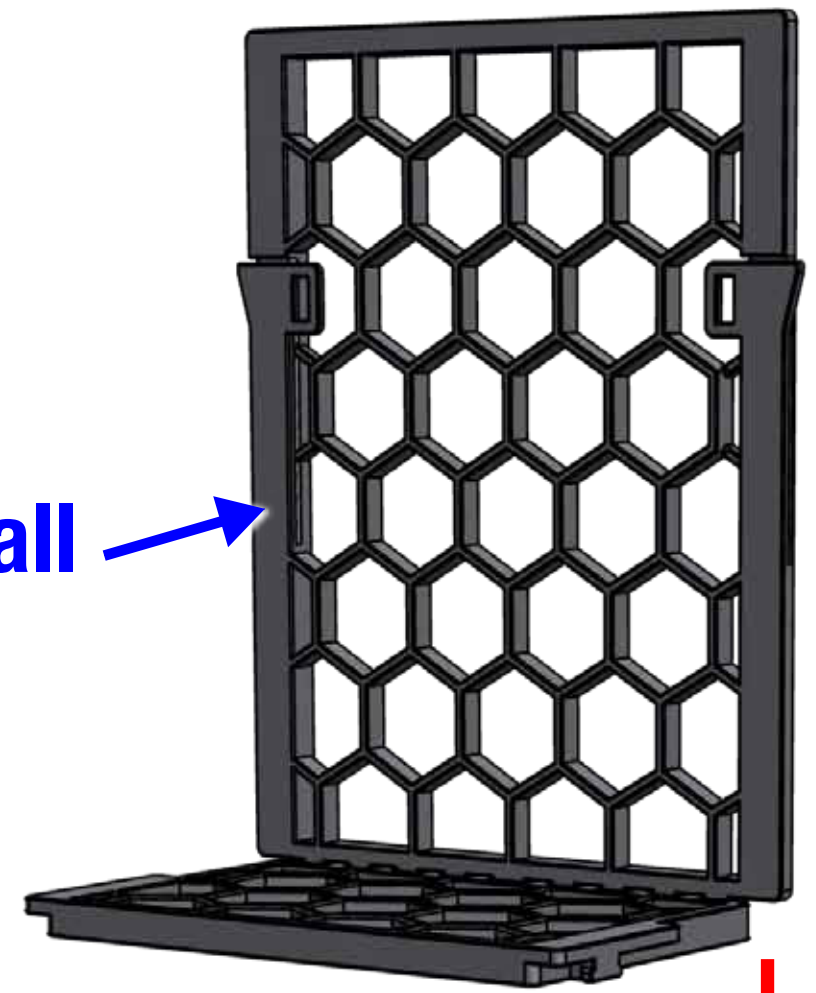
# Logical Crates Assembly

03

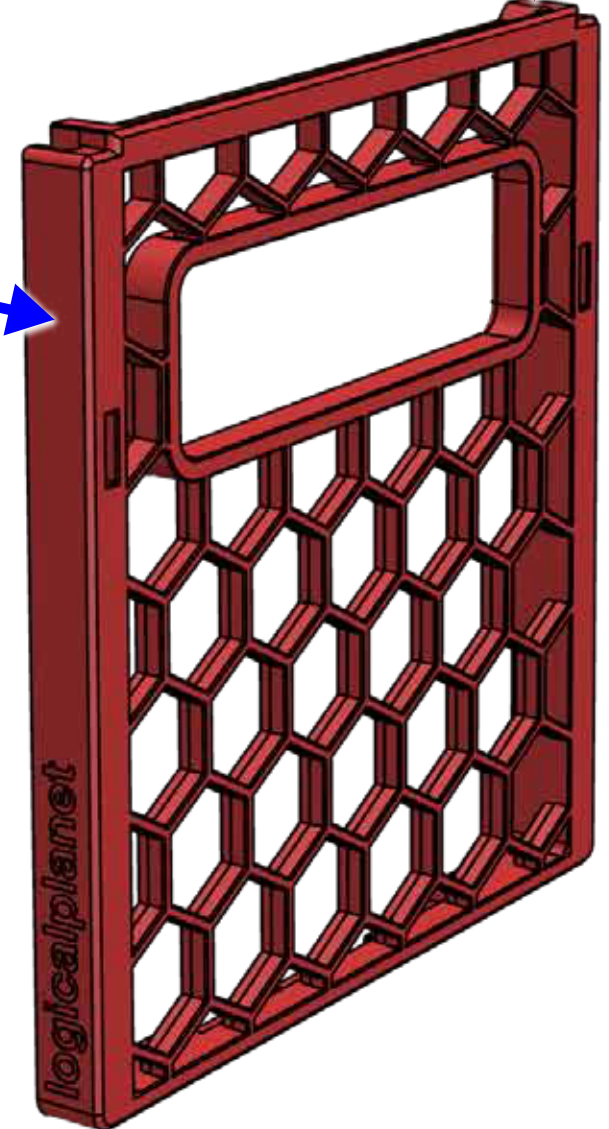
Slide the Side Wall into the End (as shown) until the Locking Tab engages the End and prevents the two parts from separating



Side Wall



End



04

Repeat the above process for the second Side Wall



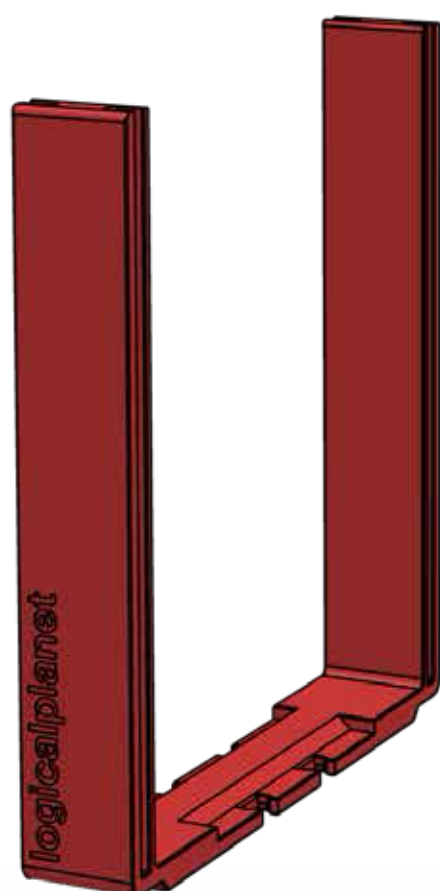
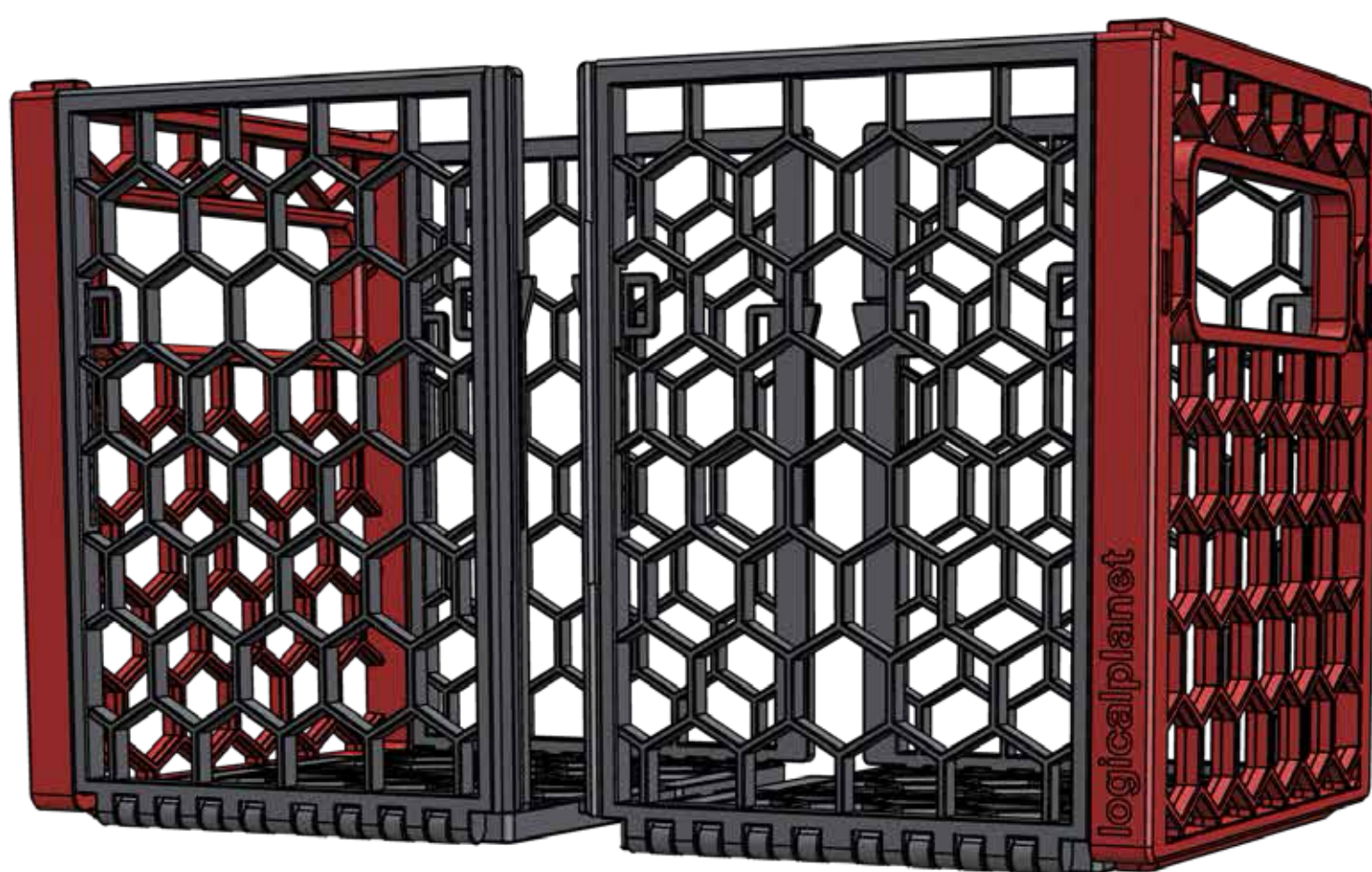
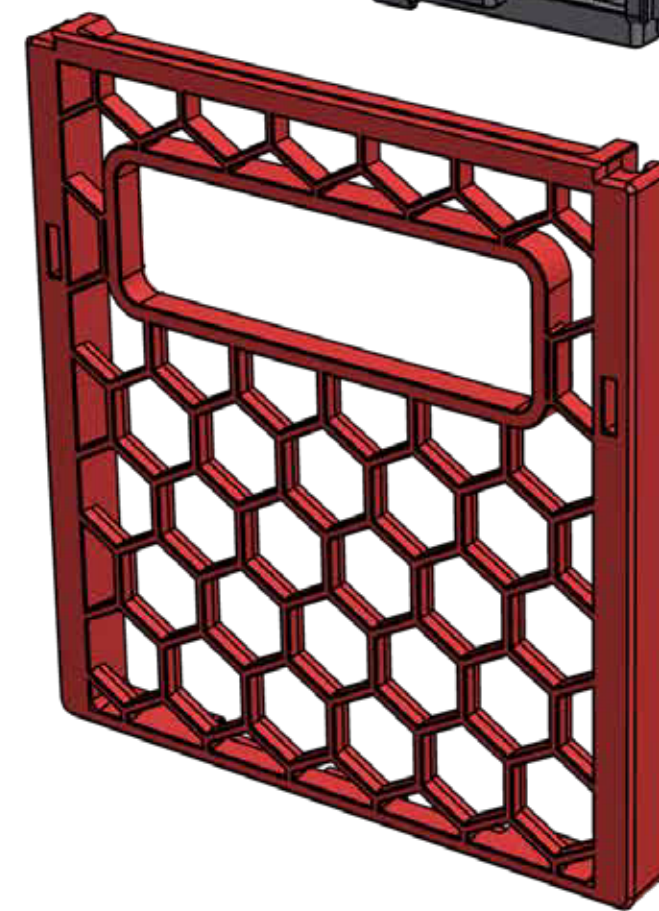
# Logical Crates Assembly

05



Slide the assembly onto a second End to create a finished crate

OR



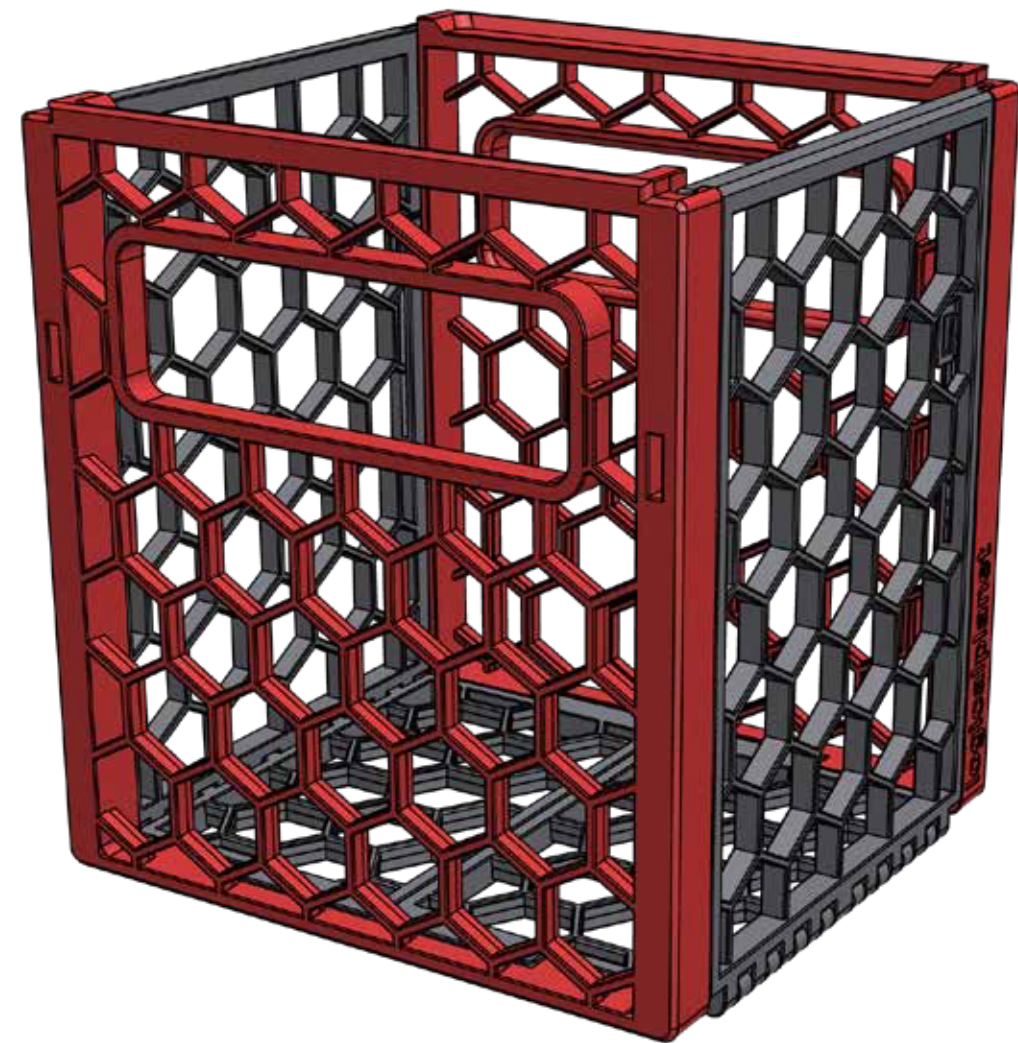
Assemble a second set and slide them both onto a middle Connector to create a larger finished crate



# Logical Crates Disassembly

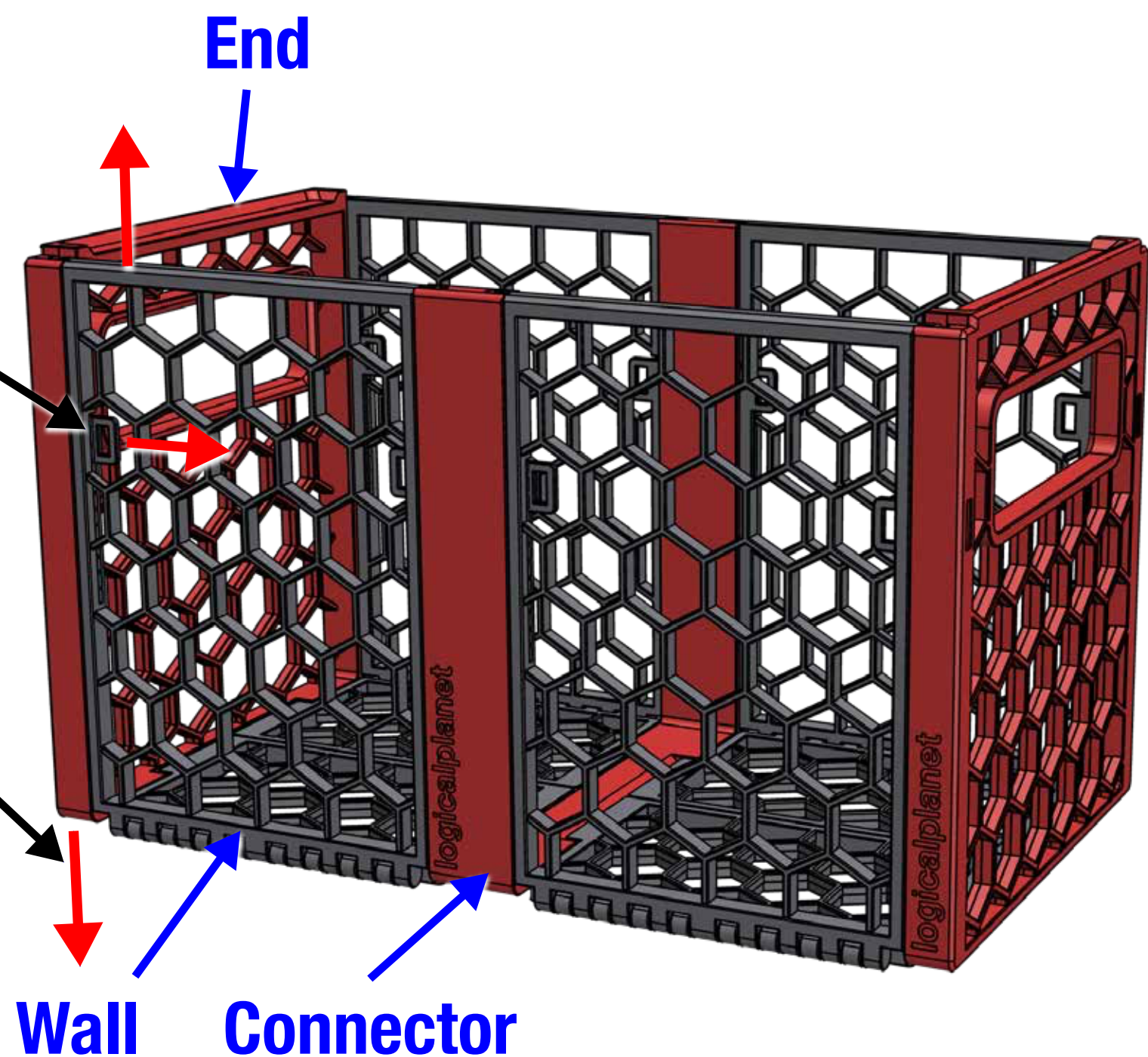
To disassemble the crate, flex the tabs inward and at the same time slide the Wall from End, or Wall from Connector apart from each other (reverse from the assembly process)

Note: Each Wall has 2 Tabs (one on each end)



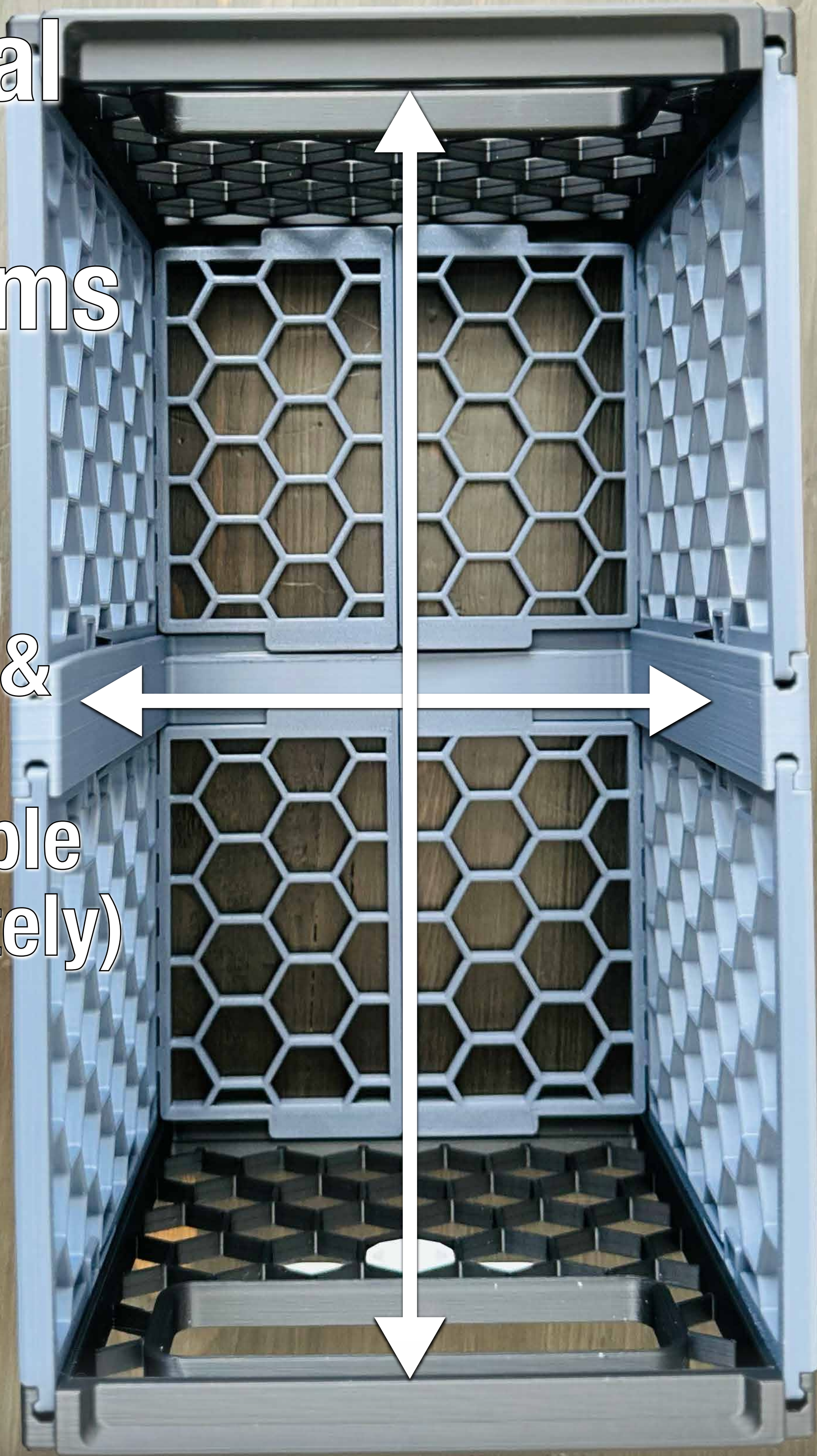
① Flex tab inward

② Slide Wall(s) upward, End (or Connector) downward





Logical  
Crate  
Systems  
System  
Adapts  
Varying  
Widths &  
Depths  
(Available  
separately)

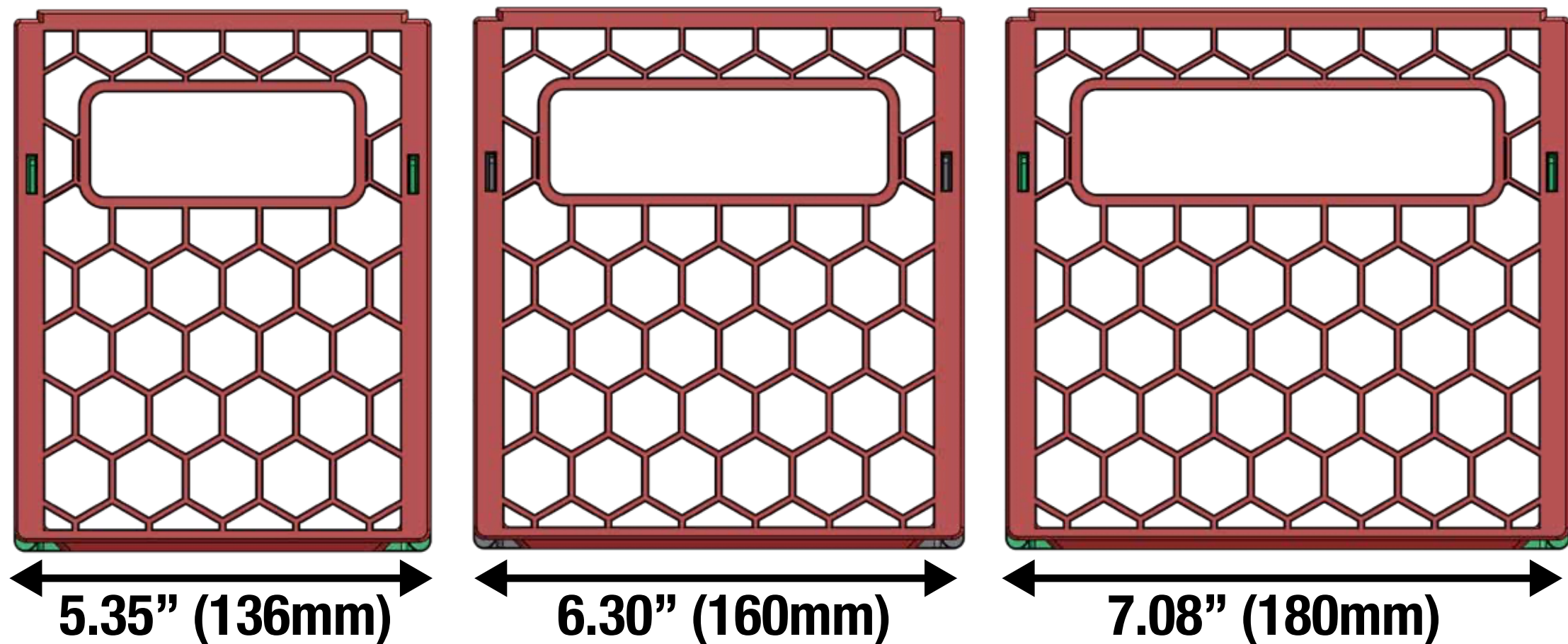




# Logical Crate Systems

## Widths Available

This download includes the  
160mm width Crate End only  
(additional sizes available to  
logicalplanet members)



Various widths can be used to-  
gether to fill a wide range of  
spaces such as shelves, freezers,  
and fridges



# Print & Slicer Settings For Functional Designs

Functional designs generally require more strength than non-functional designs and more strength than the typical default slicer settings provide, so please review your slicer settings carefully.

|                          |                             |
|--------------------------|-----------------------------|
| <b>Material</b>          | <b>PLA, PETG or ABS</b>     |
| <b>Nozzle Dia.</b>       | <b>0.4 mm</b>               |
| <b>Layer Height</b>      | <b>0.2 mm</b>               |
| <b>Line Width</b>        | <b>0.4 mm</b>               |
| <b>Walls</b>             | <b>4 (1.6 mm)</b>           |
| <b>Top / Bottom</b>      | <b>5 (1.0 mm)</b>           |
| <b>Detect Thin Walls</b> | <b>On</b>                   |
| <b>Wall Generator</b>    | <b>Arachne</b>              |
| <b>Infill</b>            | <b>40% Cubic</b>            |
| <b>Brim / Raft</b>       | <b>No</b>                   |
| <b>Support</b>           | <b>None required</b>        |
| <b>Print Orientation</b> | <b>As per STL/3MF files</b> |