

Official Table Building Instructions

OFFICIAL TABLE

For the best experience, set up your field on an official table. If one isn't available, you can build your own using the instructions below (basic tools and woodworking skills required). If building or borrowing a table isn't possible, a clean, smooth, and solid floor can be used as an alternative for practice.

The following section outlines all necessary specifications, dimensions, and materials to help you build a table that meets official standards.

SPECIFICATIONS

- Inside wall-to-wall dimensions must be:
 - **L** = 93±1/8" (2362±3mm)
 - **W** = 45±1/8" (1143±3mm)
- All border walls on any table must have the same height and must fall within the range:
 - **H** = 2-1/2" (64mm) min to 4" (102mm) max
- Border wall thickness must not exceed 2.0" (51mm).

PARTS & MATERIALS

Part	Description	Dimensions	Paint	Quantity
A	Table Surface (A) – Sanded Plywood (or other smooth board)	96" (2438mm) x 48" (1219mm) x minimum: 3/8" (10mm)	---	1
B	Long Border Wall (B) – (Two-by-three)	(8' Two-by-three): 96" (2438mm) x 1.5" (38mm) x 2.5" (64mm)	Yes	2
C	Short Border Wall (C) – (Two-by-three)	45" (1143mm) x 1.5" (38mm) x 2.5" (64mm) (Both can be made with 1 additional 8' two-by-three cut to size):	Yes	2

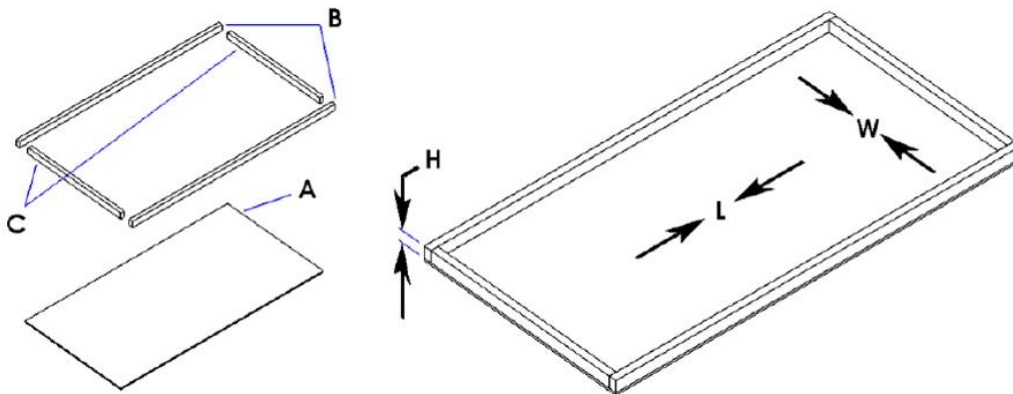
PARTS & MATERIALS (CONTINUED)

-	Wood Screws	2.5" (64mm)	---	1/4 lb. (1/4 kg)
-	Matte Black Paint	(Applied to B & C)	---	1 qt (1 L)
-	Black Tape (Gaffers)	---	---	1 Roll

Notice: As *FIRST*® LEGO® League continues to grow globally, we recognize that material dimensions vary across regions. Teams should be prepared to play on tables with border wall heights ranging within the standard height “H” (listed above) and wall thicknesses up to 2.0 inches (51 mm).

ASSEMBLY

- Set the border walls (**B** and **C**) on the perimeter of the smoothest face of the plywood (**A**) and use wood screws to secure in place, ensuring the wall-to-wall dimensions **W** and **L** are accurate
- Place the assembled tabletop, border walls up, on a short, level, and solid surface (Recommended height range: 24" (710mm) - 36" (910 mm))



MAT SETUP INSTRUCTIONS:

- Check the table for any bumps or uneven areas. Sand or file them down, then vacuum thoroughly to remove all debris.
- On the clean tabletop surface, unroll and place both half fields on the official table with the black edges facing each other at the center. Use the alignment triangles along that shared edge to ensure both mats line up cleanly.

- Once aligned, apply a thin strip of black gaff tape along the center seam to hold the mats together. Keep the tape flush with the black edge and do not allow it to extend onto the field surface.
- After securing the seam, adjust the full field so it is centered on the table. Confirm that the spacing between the mat and the table edges is equal on all sides.

Notice: Do not fold or bend the mat, as this may cause permanent damage to the mat surface. When storing, roll the mat instead.

COMPETITION READY:

- In competitions, all border walls on all tables at a tournament must have the same height **H** as each other.
- Do not attach things to the tops of border walls unless all teams coming to the event have been notified.
- For accessibility, support the tabletop at a height between 24" (710mm) - 36" (910 mm). This helps participants to see and reach the field more comfortably. Consider using adjustable table legs, sawhorses, banquet tables, or similar solutions that can be set within this range.

Notice: In competitions, volunteers work hard to get the fields just right, but you should expect and design for rare imperfections such as bumps under the mat, minor gaps, or changes in light.