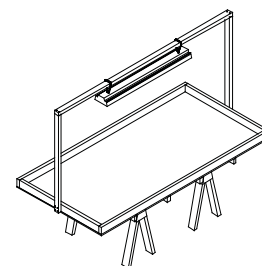


THE FIRST LEGO LEAGUE TABLE

IMPORTANT CHANGES STARTING IN 2001

1) Each year a 93" by 45" pre-printed Field Mat will come in your FLL kit and roll out to form your official playing field surface. This eliminates the need for a special surface on your table. In fact, you may simply decide to place your Field Mat and Field Borders right on a smooth floor.

If you already have an FLL table, or if you want to place your Playing Field right on a smooth floor, all you need is a new framework of Field Borders, as shown in Figure 2. Make it from two-by-fours, and paint it black.



2) Tournament lighting has been standardized and is specified to be a 48" fluorescent shop light with (2) 40-watt tubes, hung approximately 48" from the Field Mat.

MATERIALS

| Material | Quantity (with light) | Quantity (no light) |
|--|-----------------------|---------------------|
| plywood, 96" X 48" X 1/2" or thicker | 1 | 1 |
| two-by-four, 8' | 3 | 3 |
| two-by-three, 8' | 3 | 2 |
| two-by-three, 10' | 1 | N/A |
| black paint | 1 pt. or spray can | 1 pt. or spray can |
| coarse drywall screws, 6 X 2-1/2" | 1/2 lb. | 1/2 lb. |
| Saw horse (kit), approx. 30" high and approx. 36" wide | 2 | 2 |
| 48" fluorescent shop light w/(2) 40-watt tubes | 1 | N/A |

TOOLS

| |
|---|
| safety goggles |
| cross cut saw |
| Phillips-head screw driver (power preferable) |
| tape measure & pencil |
| two 6" clamps |
| level |
| paint brush (unless you're using a spray can) |

PARTS

| Part | Make From | Dimensions | Paint | Quantity (with light) | Quantity (no light) |
|--------------------|--------------|---------------------------------|-------|-----------------------|---------------------|
| table surface | plywood | 96" X 48" | no | 1 | 1 |
| large Field Border | two-by-four | 96" | yes | 2 | 2 |
| small Field Border | two-by-four | 45" | yes | 2 | 2 |
| Stiffener | two-by-three | 48" | no | 4 | 4 |
| upright | two-by-three | 48" | yes | 2 | N/A |
| cross beam | two-by-three | 99" | yes | 1 | N/A |
| saw horse | kit | H \approx 30" W \approx 36" | no | 2 | 2 |

Assembly

Step 1) Decide which face of the plywood is least smooth, and consider that the bottom face. On the bottom face, locate, clamp, and screw on the stiffeners as shown in Figure 1.

Step 2) On the top face of the plywood, locate and clamp the framework of Field Borders around the perimeter as shown in Figure 2. Double check that the 93" and 45" wall-to-wall inside distances are within $\pm 1/8$ " and trim or gap as needed until the tolerance is achieved. Then screw on the borders.

Step 3) Place the saw horses under the table and screw them on, located approximately as shown in Figure 3.

Step 4) The table is not designed to support the weight of a person---**DO NOT STAND ON THE TABLE.** Center, clamp, level, and screw the uprights onto the outside face of the small Field Borders as shown in Figure 4. Be sure each joint is strong. With the help of another person, situate the cross beam on top of the two uprights and screw it down. Hang the shop light by its chains from the center of the cross beam.

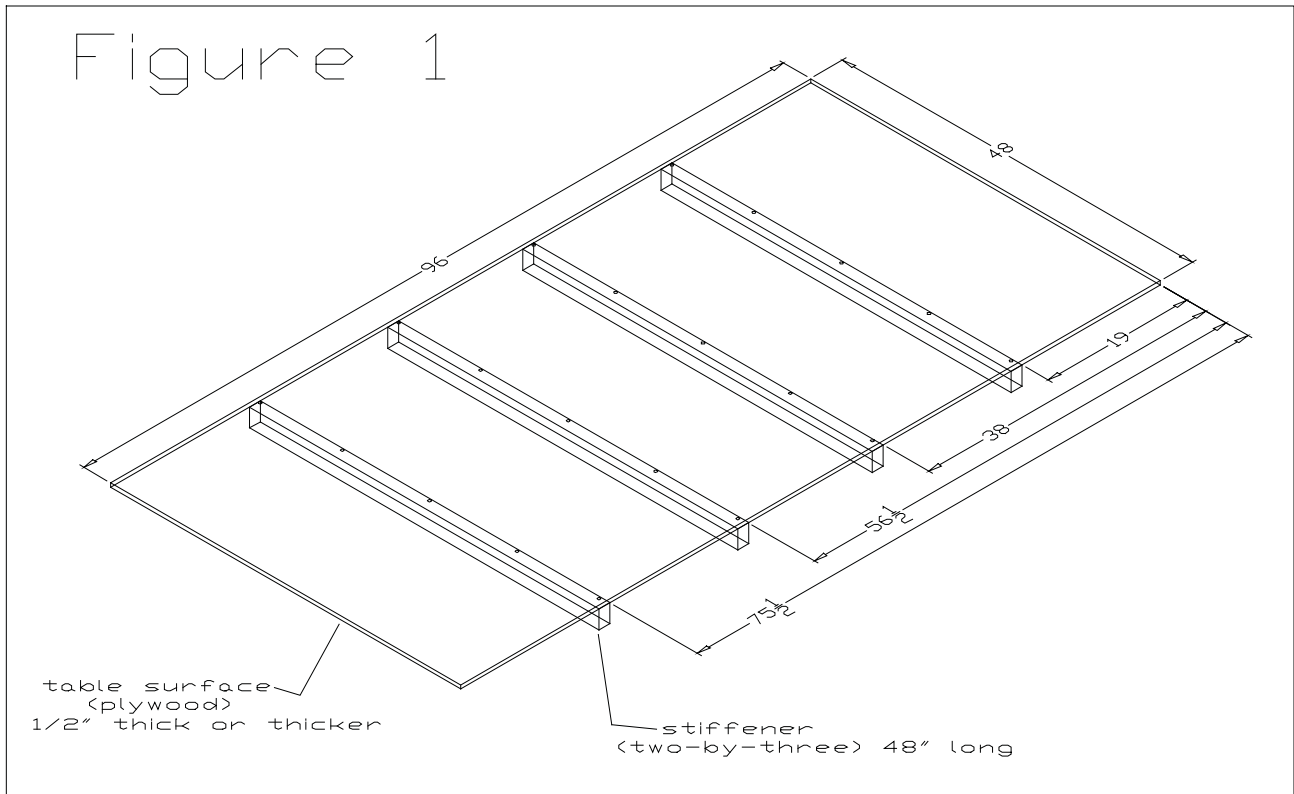


Figure 2

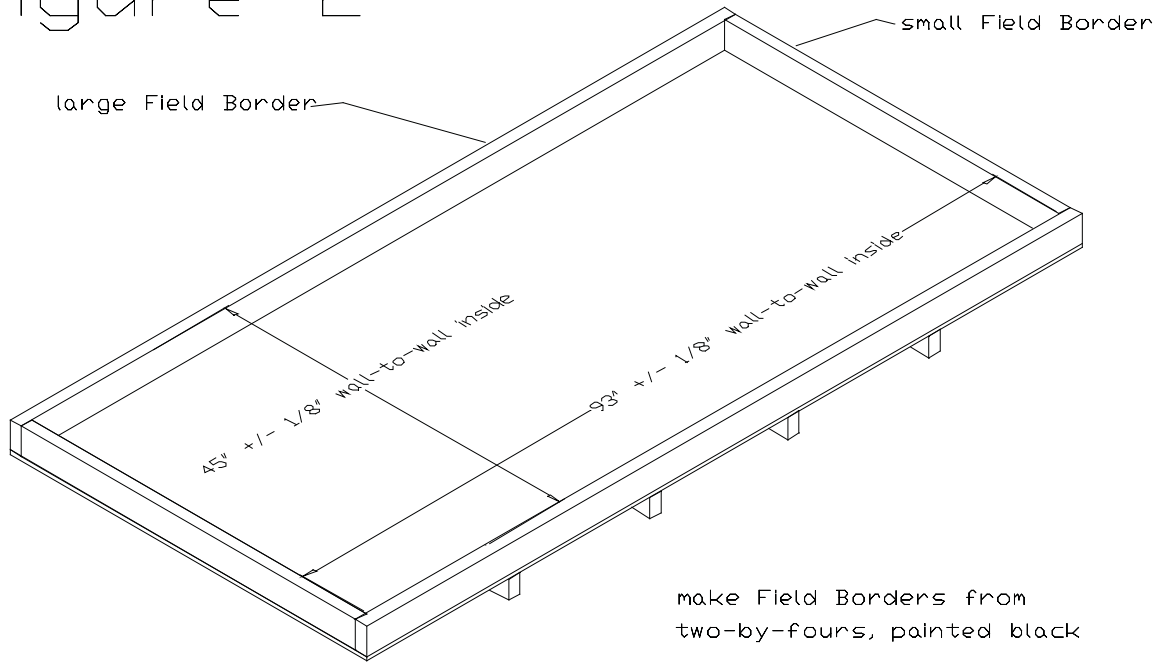


Figure 3

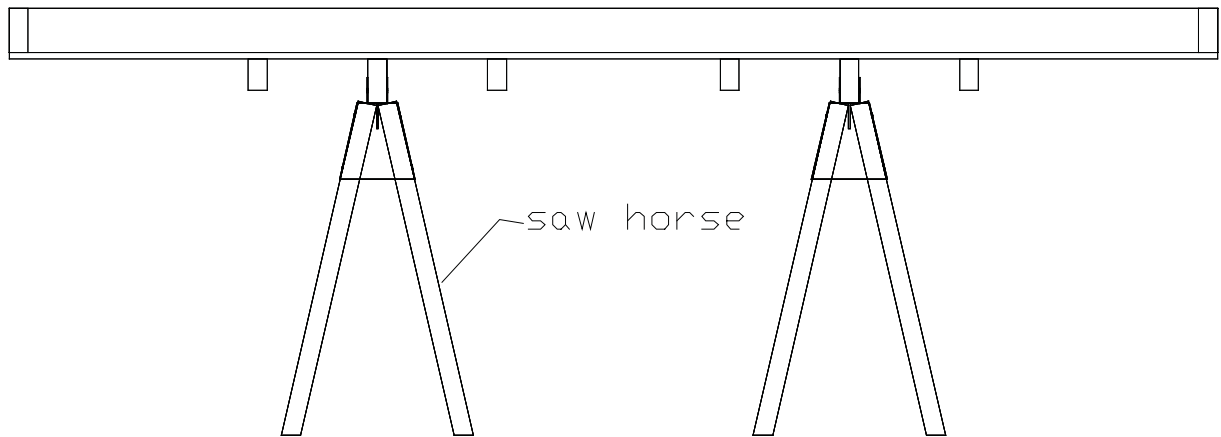


Figure 4

48" fluorescent shop light
w/(2) 40-watt tubes

cross beam
(two-by-three) 99" long

upright
(two-by-three) 48" long

