

# Frederick Douglass Elementary School, Leesburg, Virginia



## Garden Lab Central Learning Table

Seats up to 50 Kindergarteners & 25 1<sup>st</sup> to 5<sup>th</sup> Grade Level Students

*This picture identifies project components & serves as the project cut list.*

- |  |   |
|--|---|
| 1 – 2 Short Table Cap Boards (2"x4"x37")   | 6 – 4 Long Table Cap Boards (2"x4"x142½") |
| 2 – 16 Table Top Stringers (2"x4"x34")     | 7 – 4 Short Bench Cap Boards (2"x4"x9")   |
| 3 – 10 Bench Posts (4"x6"x17¼")            | 8 – 8 Long Bench Cap Boards (2"x4"x142½") |
| 4 – 10 Table Posts (4"x6"x29¼")            | 9 – 22 Trex Top Boards (1"x5½"x145")      |
| 5 – 6 Table to Bench Stringers (2"x6"x71") | 10 – 32 Bench Stringers (2" x 4" x 6")    |

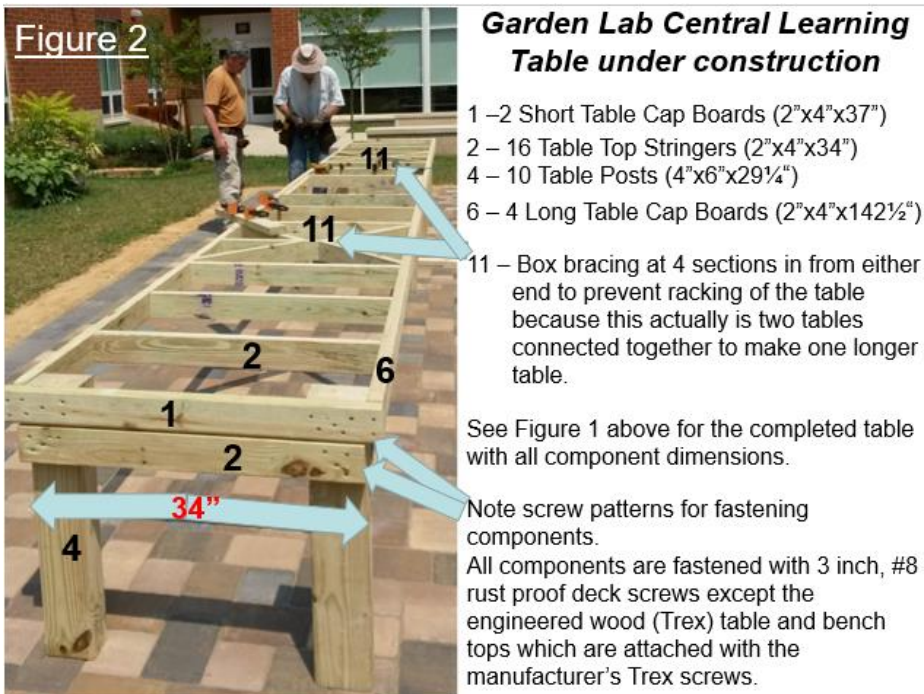
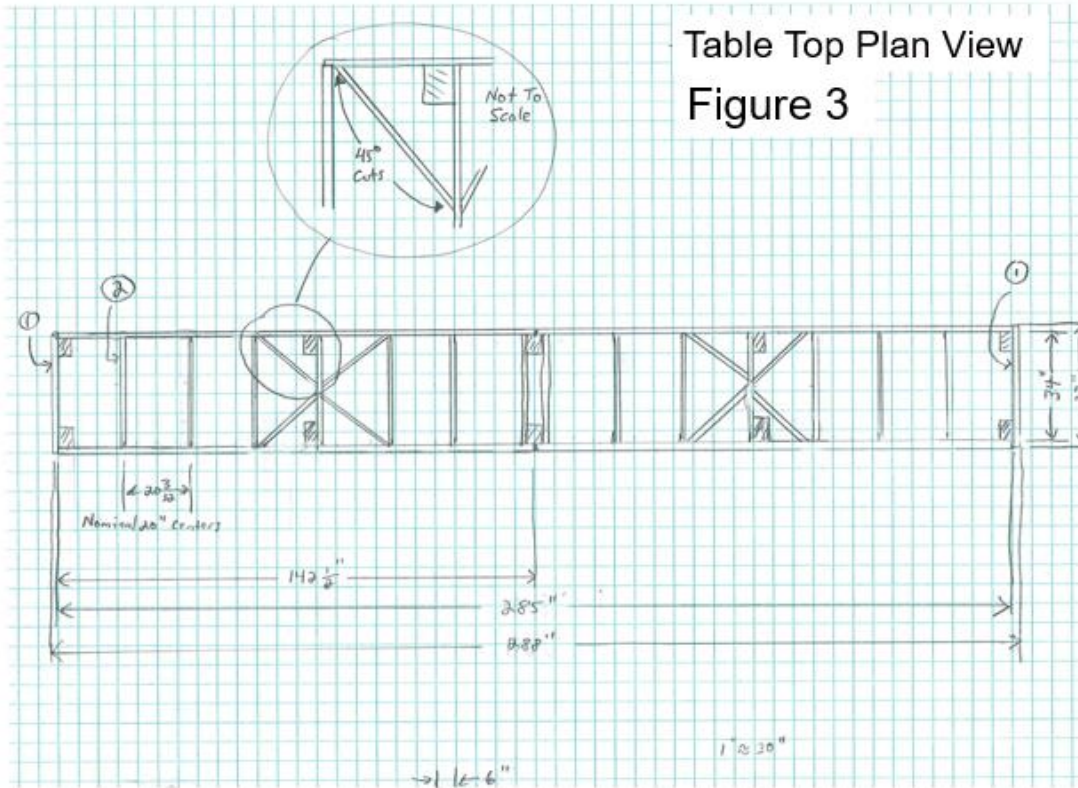
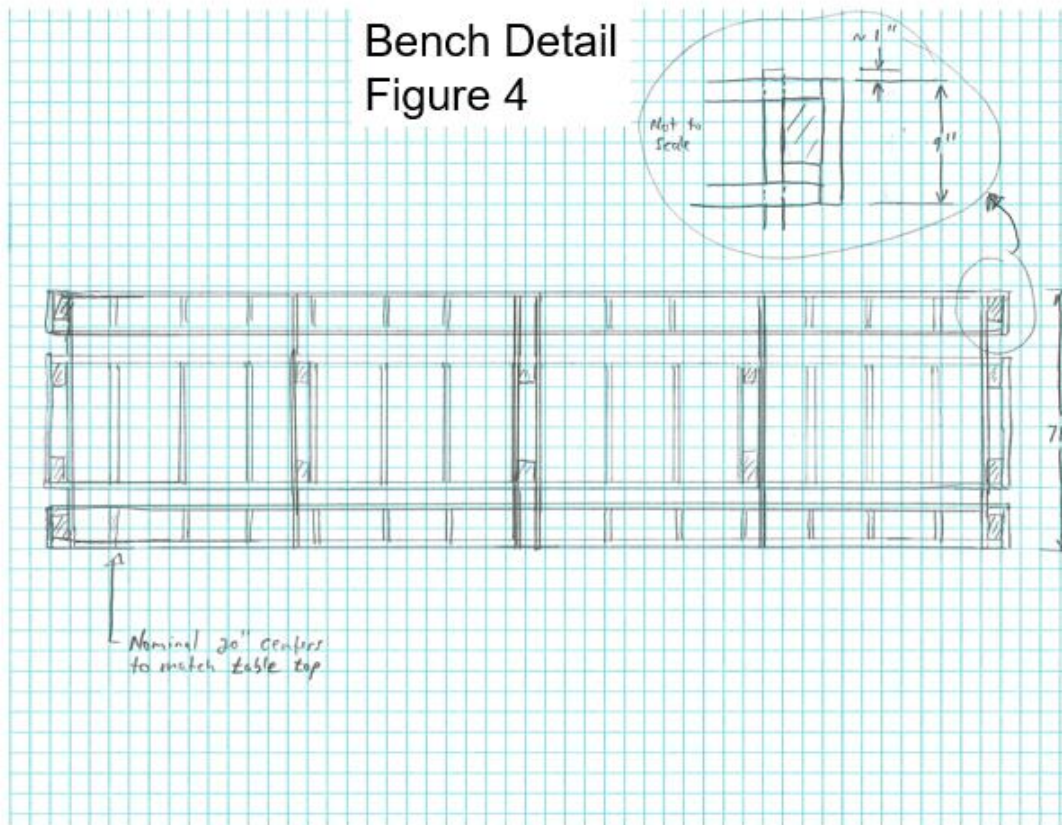


Table Top Plan View  
Figure 3



Bench Detail  
Figure 4



## **Material list:**

12 – treated 2” x 4” x 12 ft.

12 – treated 2” x 4” x 8 ft.

8 – treated 4” x 6” x 8 ft.

6 – treated 2” x 6” x 8 ft.

22 – 1” x 5½” x 12 ft. long Trex boards with Trex fasteners and spacers

1 – 5 lb. box of 3 inch #8 deck screws

1 gallon Behr Premium Semi-transparent, Waterproofing Stain and Sealer

## **Additional Information**

The wood in this project is the only treated lumber used in the Frederick Douglass Garden Lab because we coated it with Behr Premium Semi-transparent, Waterproofing Stain and Sealer which encapsulates the chemicals in the wood and prevents people from coming in contact with them. Additionally, this is a more affordable alternative while offering rot resistance at least equal to cedar. For easier application the Behr product should be applied before the Trex tops are fastened to the table and benches.

All fastening, except for the Trex engineered lumber, should be done with 3 inch #8 deck screws. Trex provides manufacturer’s fasteners and instructions for their product.

The project as pictured was constructed on site because of its weight and bulkiness and was completed in three days. The plans have since been misplaced. To the best of our ability the plans and materials list have been reconstituted as shown in this document. Questions may be directed to Pop Goodhart at [goodhartsgardens@gmail.com](mailto:goodhartsgardens@gmail.com).

Designed & Constructed by: *Jim Cunningham & Pop Goodhart*