

Appendix

D



The Field

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Appendix D – The Field

D.1 – Description

The materials and instructions listed in this appendix describe the major components of the field perimeter and floor that will be used the CREATE Foundation's Junior level competitions. These components will be used in this year's game as well as in future challenges.

D.2 – Bill of Materials

Bill of Materials for the Field

	Purpose	Price*	Unit	Quantity	Line Price	Distributor	Manufacturer	sku
Floor Tiles	Floor	\$22.00	pack	2	\$44.00	Sam's Club	Norsk	8-2238424806-5
Metal Stud	Border	\$4.15	each	4	\$16.60	Menards	Dietrich Metal Framing	7-5136100174-7
Corners	Field Corners	\$20.00	set	1	\$20.00	CREATE	contact CREATE	
Black semi-gloss Spray Paint(optional)	Border	\$3.77	each	2	\$7.54	Menards	Rustoleum	557-7897
					Total	\$88.14		

*Note: All prices represent an approximation based on price in July 2011

D.3 – Preparation Instructions

Materials

- 16 Floor Tiles
- Edge Pieces for the Tile
- 4 Metal Studs
- 4 Metal Corners
- 2 Black Spray Paint
- Drill with 1/8th inch drill bit

Prior to competition

1. Align metal corner with the edge of the stud as seen in the picture below.
2. Mark the location of the holes.
3. Remove corner bracket and drill through the stud at the marks.
4. Clear away any burrs from the drilled holes
5. Spray paint all sides of the metal studs.

To set up the field

1. Interlock the floor tiles together forming a 4 tile x 4 tile square. (8' x 8')
2. Connect the provided edge pieces to the perimeter of the square.
3. Bolt the studs together using the corners.