

TE-09011 : 2009 FRC Team Element BOM

Note: Quantities listed were designed so teams could pick and choose what they want to build (but not build everything). If a team wanted to build all items, they may be able to reduce required quantities of purchased material. For instance, 1 sheet of 3/4" plywood (instead of 2) will be able to make all of the items listed and more. Team's should consult the drawings to determine if they can combine required quantities.

TE-09001 : 2009 FRC Team Corner			
<i>Description</i>	<i>QTY</i>	<i>UM</i>	<i>Vendor</i>
2"x4"x8' Lumber	8	ea	Lowe's/Home Depot
2"x8"x8' Lumber	1	ea	Lowe's/Home Depot
3/8" Plywood (4'x8' sheet)	1	ea	Lowe's/Home Depot
1/2" Plywood (4'x8' sheet)	1	ea	Lowe's/Home Depot
#7 x 3" All purpose Exterior Wood Screw or other appropriate hardware	20	ea	Lowe's/Home Depot
#7 x 1 1/2" All purpose Exterior Wood Screw or other appropriate hardware	44	ea	Lowe's/Home Depot

TE-09007 : 2009 Team Outpost Hoop			
<i>Description</i>	<i>QTY</i>	<i>UM</i>	<i>Vendor</i>
4"x4"x8' Lumber	1	ea	Lowe's/Home Depot
3/4" Plywood 4'x8' sheet (12"x12" needed)	1	ea	Lowe's/Home Depot
1/4" Diam Aluminum Rod (6')	1	ea	McMaster-Carr 8974K31
#7 x 3" All purpose Exterior Wood Screw or other appropriate hardware	2	ea	Lowe's/Home Depot

TE-09000: 2009 FRC Team Trailer			
<i>Description</i>	<i>QTY</i>	<i>UM</i>	<i>Vendor</i>
1/4" Luan Plywood 4'x8' Sheet	1	ea	Lowe's/Home Depot
1/2" Plywood 4'x8' sheet (about 1/4 sheet needed)	1	ea	Lowe's/Home Depot
2"x4"x8' Lumber	1	ea	Lowe's/Home Depot
3/4" Galvanized Steel Electrical Conduit x 10' Length (2' needed)	1	ea	Lowe's/Home Depot
Pool Noodles (2.5" Diameter)	4	ea	Various
Bumper Fabric (Cordura Nylon or other appropriate material)	AR	na	Local Fabric Stores
4" Sewer Pipe, white PVC, 10' long	1	ea	Lowe's/Home Depot
1" Schedule 40 Electrical Conduit 10' long, gray PVC	4	ea	Lowe's/Home Depot
#7 x 1 1/2" All purpose Exterior Wood Screw or other appropriate hardware	36	ea	Lowe's/Home Depot
4" Sewer Pipe End Caps, white PVC (flat)	1	ea	Lowe's/Home Depot
2009 FIRST Wheel with Bearings	2	ea	AndyMark AM-210
3/8" Flat Washer	4	ea	Lowe's/Home Depot
1/4-20 Wing Nut	1	ea	Lowe's/Home Depot
Hex Head Bolt (or Cap Screw) 1/4-20 x 5"	1	ea	Lowe's/Home Depot

Nut, Nylock 1/4-20	5	ea	Lowe's/Home Depot
Hex Head Bolt (or Cap Screw) 1/4-20 x .75"	5	ea	Lowe's/Home Depot
Hex Head Bolt (or cap screw) 3/8-16 x 2.75"	2	ea	Lowe's/Home Depot
Nut, Nylock 3/8 -16	2	ea	Lowe's/Home Depot

TE-09010 Team Vision Target			
<i>Description</i>	<i>QTY</i>	<i>UM</i>	<i>Vendor</i>
Polycarbonate Sheet 18" x 12" x 1/8"	2	ea	Lowe's/Home Depot
3/4" Plywood Sheet (24"x3 7/8 and 24" x 7 5/8 needed)	1	ea	Lowe's/Home Depot
4" Sewer Pipe End Caps, white PVC (flat)	1	ea	Lowe's/Home Depot
1" Drywall Screws or similar	20	ea	Lowe's/Home Depot
Hex Head Bolts 1/4-20 x 1 1/4"	2	ea	Lowe's/Home Depot
1/4" Flat Washers	2	ea	Lowe's/Home Depot
Nut, Lock 1/4-20	2	ea	Lowe's/Home Depot