

Drawing Part Number	Item	Unit	Qty.	Est. Cost Each	Extended Cost	Suggested Vendor	Part Number	Vendor Link
Pool Floor Obstacle Course								
BA1	1/2" Sch 40PVC Elbow	Each	2	\$ 0.20	\$ 0.40	PVC Fittings Online	406-005	PVC Fittings Online
BC1	1/2" Sch 40 PVC Cross	Each	4	\$ 0.74	\$ 2.96	PVC Fitting Online	420-005	PVC Fittings Online
BB1	1/2" Sch 40 PVC Tee	Each	3	\$ 0.24	\$ 0.72	PVC Fittings Online	401-005	PVC Fittings Online
AA6	1/2" Sch 40 PVC Pipe X 6" Lg	Each	2	\$ 0.11	\$ 0.22	Local/Home Depot		Home Depot
AA24	1/2" Sch 40 PVC Pipe X 24" Lg	Each	10	\$ 0.44	\$ 4.40	Local/Home Depot		Home Depot
AA12	1/2" Sch 40 PVC Pipe X 12" Lg	Each	9	\$ 0.22	\$ 1.98	Local/Home Depot		Home Depot
EA24	#4 Rebar (1/2" Dia.) X 24" Lg	Each	4	\$ 2.25	\$ 9.00	Local/Home Depot	106151	Home Depot
DA1	#8 X 1/2" Stainless Steel Flanged Head Self-Tapping Screw	Each	42	\$ 0.06	\$ 2.52	McMaster	90286A194	McMaster Carr
Suspended Obstacle Course								
BD1	3/4" X 1/2" Sch 40 PVC Reducing Bushing	Each	5	\$ 0.20	\$ 1.00	PVC Fittings Online	437-101	PVC Fittings Online
BH2	3/4" Formufit 5-Way PVC Furniture Grade Cross	Each	5	\$ 2.09	\$ 10.45			PVC Fittings Online
AA12	1/2" Sch 40 PVC Pipe X 12" Lg	Each	3	\$ 0.22	\$ 0.66	Local/Home Depot		Home Depot
AA24	1/2" Sch 40 PVC Pipe X 24" Lg	Each	2	\$ 0.44	\$ 0.88	Local/Home Depot		Home Depot
AB48	3/4" Sch 40 PVC Pipe X 48" Lg	Each	4	\$ 1.08	\$ 4.34	Local/Home Depot		Home Depot
AB36	3/4" Sch 40 PVC Pipe X 36" Lg	Each	10	\$ 0.81	\$ 8.13	Local/Home Depot		Home Depot
DA2	#8 X 5/8" Stainless Steel Flanged Head Self-Drilling Screw	Each	28	\$ 0.07	\$ 1.96	McMaster Carr	90822A345	McMaster Carr
Obstacle Course Hoops (per hoop)								
BB1	1/2" Sch 40 PVC Tee	Each	1	\$ 0.24	\$ 0.24	PVC Fittings Online	401-005	PVC Fittings Online
AA1	1/2" Sch 40 PVC Pipe X 1" Lg	Each	2	\$ 0.02	\$ 0.04	Local/Home Depot		Home Depot
AAP57	1/2" PEX Tubing (Red) X 57" Lg	Each	1	\$ 1.82	\$ 1.82	Local/Home Depot	1004706347	Home Depot
DA2	#8 X 5/8" Stainless Steel Flanged Head Self-Drilling Screw	Each	2	\$ 0.07	\$ 0.14	McMaster Carr	90822A345	McMaster Carr
2019 Mission Course Reconfiguration								
BL2	1" X 1/2" Sch 40 PVC Reducer Coupling	Each	2	\$ 0.81	\$ 1.62	PVC Fittings Online	429-130	PVC Fittings Online
BF1	1/2" Sch 40 PVC Snap-on Saddle Tee	Each	2	\$ 0.44	\$ 0.88	PVC Fittings Online	463-005	PVC Fittings Online
BA1	1/2" Sch 40 PVC Elbow	Each	4	\$ 0.20	\$ 0.80	PVC Fittings Online	406-005	PVC Fittings Online
BC1	1/2" Sch 40 PVC Cross	Each	2	\$ 0.74	\$ 1.48	PVC Fitting Online	420-005	PVC Fittings Online
AA2	1/2" Sch 40 PVC Pipe X 2" Lg	Each	1	\$ 0.46	\$ 0.46	Local/Home Depot		Home Depot
AA18	1/2" PVC Sch 40 Pipe X 18" Lg	Each	2	\$ 0.33	\$ 0.66	Local/Home Depot		Home Depot
AA28	1/2" PVC Sch 40 Pipe X 28" Lg	Each	2	\$ 0.51	\$ 1.03	Local/Home Depot		Home Depot
AA36	1/2" Sch 40 PVC Pipe X 36" Lg	Each	2	\$ 0.66	\$ 1.32	Local/Home Depot		Home Depot
AC12	1" Sch 40 PVC Pipe X 12" Lg	Each	2	\$ 0.40	\$ 0.79	Local/Home Depot		Home Depot
Ropes (Qty is per rope assembly)								
G3	5/16" X 3" Spring Link Carabiner	Each	2	\$ 0.98	\$ 1.96	Home Depot	1001280784	Home Depot
C8	8" Cable Tie (Buy per total qty needed)	Each	2	\$ 0.02	\$ 0.04	Local/Home Depot	748726	
H1	5/32" Polypropylene Diamond Braid Rope, 9'	Ft	9	\$ 0.05	\$ 0.41	Home Depot	285501	Home Depot

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Disposal Platform								
F36x36	Polypropylene Sheet, .157 Thk, 36.0" X 36.0"	Each	1	\$ 6.99	\$ 6.99	Home Depot	527147	Home Depot
BF3	1" Sch 40 PVC Snap-on Saddle Tee	Each	1	\$ 0.93	\$ 0.93	PVC Fittings Online	463-010	Home Depot
BD2	1" X 1/2" PVC Reducing Bushing	Each	1	\$ 0.37	\$ 0.37	PVC Fittings Online	437-130	PVC Fittings Online
AC24	1" Sch 40 PVC Pipe X 24" Lg	Each	1	\$ 0.79	\$ 0.79	Local/Home Depot		PVC Fittings Online
AA20.75	1/2" Sch 40 PVC Pipe X 20.75" Lg	Each	1	\$ 0.38	\$ 0.38	Local/Home Depot		Home Depot
C8	8" Cable Tie (Buy per total qty needed)	Each	13	\$ 0.02	\$ 0.26	Local/Home Depot	748726	
Waste Platform								
F36x36	Polypropylene Sheet, .157 Thk, 36.0" X 36.0"	Each	1	\$ 6.99	\$ 6.99	Home Depot	527147	Home Depot
BF3	1" Sch 40 PVC Snap-on Saddle Tee	Each	1	\$ 0.93	\$ 0.93	PVC Fittings Online	463-010	Home Depot
AC52	1" Sch40 PVC Pipe X 52.0"	Each	2	\$ 1.72	\$ 3.44	Local/Home Depot		PVC Fittings Online
C8	8" Cable Tie (Buy per total qty needed)	Each	12	\$ 0.02	\$ 0.24	Local/Home Depot	748726	
Platform Frame (2 per lane)								
BB3	1" Sch 40 PVC Tee (DURA)	Each	8	\$ 0.51	\$ 4.08	PVC Fittings Online		PVC Fittings Online
AC16.5	1" Sch 40 PVC Pipe X 16.5" Lg	Each	12	\$ 0.55	\$ 6.55	Local/Home Depot		Home Depot
DA2	#8 X 5/8" Stainless Steel Flanged Head Self-Drilling Screw	Each	20	\$ 0.07	\$ 1.43	McMaster Carr	90822A345	McMaster Carr
Active Mine Arming Device								
BC4	1-1/4" Sch 40 PVC Cross (try to find the Dura brand locally)	Each	1	\$ 2.02	\$ 2.02	PVC Fittings Online	420-012	PVC Fittings Online
M12	12mm Diameter X 3.0mm Thick Neodymium Magnet	Each	3	\$ 0.71	\$ 2.14	Amazon		Amazon
Beacon Assembly (Does not include circuit components)								
BC2R	3/4" Sch 40 PVC Coupler	Each	1	\$ 0.18	\$ 0.18	PVC Fittings Online	429-007	PVC Fittings Online
BC2P	3/4" Sch 40 PVC Cap	Each	1	\$ 0.21	\$ 0.21	PVC Fittings Online	447-007	PVC Fittings Online
BA1	1/2" Sch 40 PVC Elbow	Each	1	\$ 0.20	\$ 0.20	PVC Fittings Online	406-005	PVC Fittings Online
BF1	1/2" PVC Sch 40 Snap-on Saddle Tee	Each	1	\$ 0.44	\$ 0.44	PVC Fittings Online	463-005	Home Depot
BD2	1" X 1/2" Sch 40 PVC Reducing Bushing	Each	1	\$ 0.37	\$ 0.37	PVC Fittings Online	437-130	PVC Fittings Online
BD3	1" X 3/4" Sch 40 PVC Reducing Bushing	Each	1	\$ 0.37	\$ 0.37	PVC Fitting Online	437-131	Home Depot
BK3	1" Spears PVC Compression Coupling S110-10	Each	1	\$ 4.74	\$ 4.74	PVC Fittings Online		PVC Fittings Online
AB4C	3/4" Sch 40 CLEAR PVC Pipe 4" Lg (see Beacon Guide for options)	Each	1	\$ 0.74	\$ 0.74	PVC Fittings Online		Home Depot
AA3	1/2" Sch 40 PVC Pipe X 3" Lg	Each	1	\$ 0.06	\$ 0.06	Local/Home Depot		PVC Fittings Online
AA2	1/2" Sch 40 PVC Pipe X 2" Lg	Each	1	\$ 0.04	\$ 0.04	Local/Home Depot		PVC Fittings Online
AB8	3/4" Sch 40 PVC Pipe X 8" Lg	Each	1	\$ 0.41	\$ 0.41	Local/Home Depot		PVC Fittings Online
AAP10	1/2" PEX Pipe X 10" Lg	Each	1	\$ 0.32	\$ 0.32	Local/Home Depot	1004706347	Home Depot

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Vault								
F18x19	Polypropylene Sheet, .157 Thk, 18.0" X 19.0" (can use 18" x 18")	Each	1	\$ 5.98	\$ 5.98	Home Depot	628843	Home Depot
C8	8" Cable Tie (Buy per total qty needed)	Each	6	\$ 0.02	\$ 0.12	Local/Home Depot	748726	
Vault Hoop								
BC1	1/2" Sch 40 PVC Cross	Each	1	\$ 0.74	\$ 0.74	PVC Fitting Online	420-005	Home Depot
BL1	3/4" X 1/2" Sch 40 PVC Reducing Coupling	Each	1	\$ 0.30	\$ 0.30	PVC Fitting Online	429-101	Home Depot
BD3	1" X 3/4" Sch 40 PVC Reducing Bushing	Each	1	\$ 0.37	\$ 0.37	PVC Fitting Online	437-131	Home Depot
AB18	3/4" Sch 40 PVC Pipe X 18" Lg	Each	1	\$ 0.41	\$ 0.41	Local/Home Depot		PVC Fittings Online
AA2	1/2" Sch 40 PVC Pipe X 2" Lg	Each	2	\$ 0.04	\$ 0.07	Local/Home Depot		PVC Fittings Online
AA4	1/2" Sch 40 PVC Pipe X 4" Lg	Each	2	\$ 0.07	\$ 0.15	Local/Home Depot		PVC Fittings Online
AAP72	PEX Tubing (Red), 1/2" X 72" Lg	Each	1	\$ 2.27	\$ 2.27	Local/Home Depot	1004706347	Home Depot
DA2	#8 X 5/8" Stainless Steel Flanged Head Self-Drilling Screw	Each	8	\$ 0.07	\$ 0.57	McMaster Carr	90822A345	McMaster Carr
Vault Gate Frame								
BA1	1/2" Sch 40 PVC Elbow	Each	6	\$ 0.20	\$ 1.20	PVC Fittings Online	406-005	Home Depot
BB1	1/2" Sch 40 PVC Tee	Each	3	\$ 0.24	\$ 0.72	PVC Fittings Online	401-005	PVC Fittings Online
BG1	1/2" PVC Furniture Grade Sling Tee	Each	3	\$ 1.90	\$ 5.70	PVC Fittings Online		Home Depot
BC1R	1/2" Sch 40 PVC Coupler	Each	1	\$ 0.14	\$ 0.14	PVC Fittings Online	429-005	PVC Fittings Online
AA1.5	1/2" Sch 40 PVC Pipe X 1.5" Lg	Each	2	\$ 0.33	\$ 0.66	Local/Home Depot		PVC Fittings Online
AA2.5	1/2" Sch 40 PVC Pipe X 2.5" Lg	Each	3	\$ 0.05	\$ 0.14	Local/Home Depot		Home Depot
AA2.75	1/2" Sch 40 PVC Pipe X 2.75" Lg	Each	1	\$ 0.05	\$ 0.05	Local/Home Depot		Home Depot
AA3	1/2" Sch 40 PVC Pipe X 3" Lg	Each	1	\$ 0.06	\$ 0.06	Local/Home Depot		Home Depot
AA4	1/2" Sch 40 PVC Pipe X 4" Lg	Each	1	\$ 0.07	\$ 0.07	Local/Home Depot		Home Depot
AA4.25	1/2" Sch 40 PVC Pipe X 4.25" Lg	Each	2	\$ 0.16	\$ 0.31	Local/Home Depot		Home Depot
AA17	1/2" Sch 40 PVC Pipe X 17" Lg	Each	2	\$ 0.31	\$ 0.62	Local/Home Depot		Home Depot
AA3R	1/2" Sch 40 PVC Pipe X 3" Lg (Red) (can use plain pipe and paint or tape)	Each	1	\$ 0.37	\$ 0.37	Home Depot	P001FGP-RD-5	PVC Fittings Online
DA2	#8 X 5/8" Stainless Steel Flanged Head Self-Drilling Screw	Each	5	\$ 0.07	\$ 0.36	McMaster Carr	90822A345	McMaster Carr
Gate Closing Arm								
BF1	1/2" PVC Sch 40 Snap-on Saddle Tee	Each	1	\$ 0.44	\$ 0.44	PVC Fittings Online	463-005	PVC Fittings Online
BA1	1/2" Sch 40 PVC Elbow	Each	2	\$ 0.20	\$ 0.40	PVC Fittings Online	406-005	Home Depot
AA1.5	1/2" Sch 40 PVC Pipe X 1.5" Lg	Each	1	\$ 0.03	\$ 0.03	Local/Home Depot		Home Depot
AA7	1/2" Sch 40 PVC Pipe X 7" Lg	Each	1	\$ 0.13	\$ 0.13	Local/Home Depot		PVC Fittings Online
DA2	#8 X 5/8" Stainless Steel Flanged Head Self-Drilling Screw	Each	4	\$ 0.07	\$ 0.29	McMaster Carr	90822A345	McMaster Carr

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Garbage Patch Ring								
BB1	1/2" Sch 40 PVC Tee	Each	2	\$ 0.24	\$ 0.48	PVC Fittings Online	401-005	PVC Fittings Online
BC1	1/2" Sch 40 PVC Cross	Each	3	\$ 0.74	\$ 2.22	PVC Fitting Online	420-005	PVC Fittings Online
AAP76.0	1/2" PEX Pipe X 76" Lg	Each	2	\$ 2.43	\$ 4.86	Local/Home Depot	1004706347	Home Depot
AA1	1/2" Sch 40 PVC Pipe 1" Lg	Each	4	\$ 0.02	\$ 0.07	Local/Home Depot		Home Depot
AA12	1/2" Sch 40 Pipe X 12" Lg	Each	2	\$ 0.07	\$ 0.14	Local/Home Depot		Home Depot
DA2	#8 X 5/8" Stainless Steel Flanged Head Self-Drilling Screw	Each	6	\$ 0.07	\$ 0.43	McMaster Carr	90822A345	McMaster Carr
C8	8" Cable Tie (Buy per total qty needed)	Each	3	\$ 0.02	\$ 0.06	Local/Home Depot	748726	
N2.5	Float, 2.5" Dia. X 2.5" Lg (Pool Noodle)	Each	1			Buy Locally		
N2	Float, 2.5" Dia. X 2" Lg (Pool Noodle)	Each	2			Buy Locally		
Weighted Wiffle Ball (each)								
W2.86	2.86 DIA. Wiffle Ball	Each	1	\$ 0.78	\$ 0.78	Amazon or Conn Store	Connecticut Store	Amazon
W3.86	3.75 to 3.86 DIA. Wiffle Ball	Each	1	\$ 0.80	\$ 0.80	Amazon or Conn Store	Connecticut Store	Amazon
P1	1/4" X 1.5" Dia. X .055" Thk. Stainless Steel Fender Washer	Each	6	\$ 0.22	\$ 1.33	McMaster or Amazon	McMaster	Amazon
H2	1/4 in. x 14" Polypropylene Twist Rope, Yellow	Each	1	\$ 0.48	\$ 0.48	Home Depot		Home Depot
C8	8" Cable Tie (Buy per total qty needed)	Each	5	\$ 0.02	\$ 0.10	Local/Home Depot	748726	