Bill of Materials "GET OVER IT!"

2010 FTC Game	Bill Of Materials												
9-Sep-10	Corresponds to FTC Field d	rawings on 9/6/10											
9-3ep-10	Corresponds to 1 10 Held d	lawings on 5/0/10											
Items that have suppliers and Part#	t / LIDC #s are recommended. If u	nable to purchase then t	allow coocific	ations									
items that have suppliers and Farth	T OF C #5 are recommended. If u	hable to purchase, them	Jilow specific	alions									
			Dallis	on Cool Dr	امام		liff M	 ountain	Datana/F	Dispensers	Total		
					idge		asemblies			asemblies	Total		
H	Oi	F:-1-114#			asemblies			1 asembly				0	LIDO
ltem	Size	Field Item #	per assy	total per assy	total	per assy	total per ass	y total	per assy	total		Supplier	UPC
Rolling Goal	011	50		40							40	NA . NA (D. 1 // 70455T44
Casters	2"	53	4	16	-		-	-		-	16	McMaster	Part #: 78155T11
3/4" Plywood	11.75" x 11.75"	54, 55	1 1	4	-		-	-		-	4		
Pan Head Wood Screws	#8 - 0.75"	56	5		-		-	-		-	20		
Pan Head Wood Screws	#8 - 0.5"	57	16	64	can use so	crews that c	ome with casters			-	64		
2" PVC Pipe	6"	61	1	4	-		-	-		-	4		
2" Drain Plug		62	1	4	-		-	-		-		HD/Lowes	038753007304
4" PVC Pipe	4.5"	63	4	16	may vary	n color due	to regional inventorie	s		-	16		
4" PVC Sewer or Drain Caps		64	4	16	-		-	-		-	16	Lowe's	052063434056
				-	-		-	-		-	-		
Bridge				-	-		-	-		-	-		
1/2" MDF Plywood	48" x 24"	81		- 1	2		-	-		-	2	HD	099167733357
2"x2" Furring Strip	23"	82		- 2	4		-	-		-	4		
Drywall screws	1.25"	83		- 8	16		-	-		-	16		
,				-	-		-	-		-	-		
Cliff				-	-		-	-		-	-		
1/2" MDF Plywood	24" x 24"	41		-	_	1	2	_		-	2		
, , , , , , , , , , , , , , , , , , ,							_				_		Item #: 12753
													or similar from
Low Goal Corrugate	~24" x ~24"	121 replac	es 2 field tiles	s (same as Face Off)	-	1	2	-		-	2	Lowe's	Home Depot
				-	-		-	-		-	-		
Mountain				-	-		-	-		-	-		
1/2" MDF Plywood	12" x 42"	101 MDF	an be purcha	sed as 2'x4', 4'x4', or 4'x	x8' as neede	d		2 2		-	2		
Piano hinge	12"	102		-	-		-	2 2		-	2	Ace Hardware	529832
Hinge Screws	#8 - 0.25"	103 can u	e screws tha	t come with hinges			- 2	24 24		-	24		
2" Anti-skid Tread tape	42"	104		-	-		-	4 4		-	4	Lowe's	040074020306
				-	-		-	-		-	-		
Bridge/Cliff/Mountain Support				-	-		-	-		-	-		
Drywall screws	1.25"	83		- 6	12		-	-		-	12		
Pan Head Machine Screws	#10-32x2"	93		- 2			-	-		-	4		
Wood Screw	2.5"	110		- 2			-	-		-	4		
2x4" Cliff/Bridge Suport	49.25"	111			-		-	2 2		_	2		
2x4" Mountain Suport	20.75"	112		-	_			2 2		-	2		
1/16" in thick Angle Aluminum	0.5" x 0.5" x 24"	113		- 2	4		-	-		-	4		
and the sign of the s	0.0 A 0.0 A 2 1	1.0			-		-	_		_	-		
Batons/Dispensers				-	_		-	_		_	_		
1/2" PVC Pipe	6"	9		-	_		-	_	15	90	90		
1/2" PVC Pipe (Preloads)	6"	9		-	_			0 10			10		
IR Beacon	(from Hot Shot)		aster/one sla		-		-	10		2		HiTechnic	
Pan Head Wood Screw	#8 x 0.75"	56	43151/UHE 318					-	6		36	I II I COI II II C	
Drywall Screws	1.25"	83		-	-		-	+ -	14		84		
Drywall Screws Drywall Screws	1.25"	83		-	-		-	2 2		04	2		
Flat Head Machine Screws	#10-32 x 2"	144		+ +	-			<u> </u>	2	12	12		
		144		-	-		-	-	2				
Wing Nuts	#10-32	140		-	-		-	-	1 2	12	12		0022022402070
On many Day 1 of	4 511 4 511 0 0051	140								10	10		0033923403078 or
Corner Bracket	1.5" x 1.5" x 0.625"	146							2	12		Lowe's	0033923838979
Washer	#10-32	147							2		12		700044400040
Front: Lexan	12" x 2"	151		-	-		-	-	2	12	12	HD	726941133019
atons/Dispensers (cont'd)				-	-	I	-	-		-	-	I	

Bill of Materials "GET OVER IT!"

010 FTC Game	Bill Of Materials														
9-Sep-10	Corresponds to FTC Field dra	wings on 9/6/10													
Items that have suppliers and Part# / U	│ PC #s are recommended. If una	lble to purchase,	then follow	/ specifications											
			Rolling Goal		Bridge		Cliff		Mountain		Batons/Dispensers		Total		
				4 asemblies	2	asemblies	2	asemblies	1	asembly	6	asemblies			
Item	Size	Field Item #	F	per assy total	per assy	total	per assy	total	per assy	total	per assy	total		Supplier	UPC
															038453831605 o
1" Square Wood Dowel	13.25"	152		-		-		-		-	2	12	12	HD/Lowes	080307448736
Back: 3/4" Plywood	13.25" x 8.25"	153		-		-		-		-	1	6	6		
Side: 3/4" Plywood	14.5" x 2"	181		-		-		-		-	2	12	12		
Top Support: 3/4" Plywood	8.25" x 3"	182		-		-		-		-	1	6	6		
Bottom Support: 3/4" Plywood	8.25" x 3"	183		-		-		-		-	1	6	6		
Allignment: 3/4" Plywood	1" x 8.25"	191		-		-		-		-		1	1		
Allignment: 3/4" Plywood	12.75" x 6.25"	192		-		-		-		-		1	1		
5/8" Dowel	1"	1310	sand down	to snuggly fit in batc	n					-	1	4	4		
Magnets	0.25" x 1"	1311	http://wv	vw.kjmagnetics.co	m/proddeta	ail.asp?pro	d=D4X0			-	1	4	4		
				-		-		-		-	-	-	-		
eld and Global Use (as needed)				-		-		-		-		-	-		
2" Gaffer's Tape	Red	21		-		-		-		-		-	-		
2" Gaffer's Tape	Blue	22		-		-		-		-		-	-		
1" Gaffer's Tape	White	23		-		-		-		-		-	-		
3/4" Velcro		42, 114		-		-		-		-		-	-		
Behr Premium Plus Semi-Gloss Paint	Mouse Ears (Black)	43		-		-		-		-		-	-		
PVC Cement		65		-		-		-		-		-	-		
Behr Premium Plus Semi-Gloss Paint	Mickey's Pants (Red)	71		-		-		-		-		-	-		
Behr Premium Plus Semi-Gloss Paint	Midnight Ball Blue (Blue)	72		-		-		-		-		-	-		
Wood Glue		171		-	1	-		-		-		-	-		
1" Gaffer's Tape	Red	1312		-	1	-		-		-		-	_		
1" Gaffer's Tape	Blue	1313		-		-		-		-		-	-		
Krylon Fusion Spray Paint	Red Pepper/Safety Red	1314		-		-		-		-		-	-		
Krylon Fusion Spray Paint	Patriotic Blue/Safety Blue	1315		-		-		-		-		-	-		
Beacon Cable Assembly															
Connector Housing	Female socket 0.10" pitch	N/A			1								2	www.DigiKey.Com	WM2901
Crimp	Socket Crimp	N/A												www.DigiKey.Com	
Crimp Tool	Cocket Offinp	N/A												www.DigiKey.Com	
Red Wire	26 AWG Red Wire		Availahle ii	n 100' spools									25' to 30'	www.DigiKey.Com	
Black Wire	26 AWG Black Wire			n 100' spools										www.DigiKey.Com	