Team Number:	102						
Project Name:	House-hold Irrigaton						
Team Member Names:	David Cannon, Austin Gonzalez, Terry Williams, Jacob Dirks						
Version:	1						
All Major Components	Component Name	Part Number	Supply Voltage Range	#		Absolute Maximum Current (mA)	Total Currer (mA)
	Galvanized Nail Reisistor system	N/A	1.8-5.1V		1	20	2
	DC Motor	711	4.5-9V		1	40	4
(+)9V Rail	Component Name	Part Number	Supply Voltage Range	#		Absolute Maximum Current (mA)	Total Currer (mA)
	DC Motor	711	4.5-9V		1	40	4
						Subtotal	4
						Safety Margin	0.2
						Total Current	
SOURCE	Plug-in Wall Supply	B09ZTKTLGW	110V AC	+9V		3000 - Amount Taken By Regulators	150
						Total Remaining	145

(+)5V Rail	Component Name	Part Number	Supply Voltage Range	#	Absolute Maximum Current (mA)	Total Current (mA)
	Galvanized Nail Reisistor system	N/A	1.8-5.1V	1	20	20
					Subtotal	20
					Safety Margin	0.25
					Total Current	25
SOURCE	+5V Regulator	LM7805	5-35V	1	1500	1500
					Total Remaining	1475
External Power Source	Component Name	Part Number	Supply Voltage Range	Output Voltage	Absolute Maximum Current (mA)	Total Current (mA)
Power Source Selection	Plug-in Wall Supply	B09ZTKTLGW	110V AC	+9V	3000	3000
Power Rails Connected to External Source 1	+5V Regulator	LM7805	5-35V	1	1500	1500
					Total left	1500