Parts for 317 Greenhouse P	roject									24-Sep-19
Daniel Bujold										24 3CP 13
Damer Dajoid										
Part	Description	Supplier	Part #	CAD\$ cost	Quantity	Shinning	Tay	CAD\$ sub	Wehsite	Comments
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Description	<u> опринен</u>	<u> </u>	<u>C/ (D Q COS)</u>	Quantity	<u> </u>	100	<u>C, (D Ç 500</u>	- TT COSICC	- Comments
Raspberry Pi 3 B+	Includes power supply, SD card	Amazon.ca	В07ВСС8РК7	\$98.99	1	\$0	\$12.86	\$111.85	https://www.amazon.ca	CanaKit
Soil Moisture Sensor	Capacitive	Amazon.ca	EK1940	\$8.49	2				https://www.amazon.ca	
	Simulate hose/water pressure			\$11.68	_			 	https://www.amazon.ca	
Mini Diaphragm Pump	Simulate nose/water pressure	Amazon.ca	EK1856C	\$11.00	1	, ŞU	\$1.51	\$15.19	IILLDS://www.amazon.ca	Gikiun
							1			
										Just an idea. Need to discuss options
5V relay	Turn pump on/off	Sayal Electronics	50-520-1	\$3.50	1		\$0.45	\$3.95		with Kristian - possible transistor instead?
GPIO Stacking header	To connect PCB to RPI	Sayal Electronics		\$4.75			\$0.43			Can't find online, but verified in stock
Pin/socket connectors		-		\$0.82			\$0.42			Can't find online, but verified in stock
rin/socket connectors	Connect wires to FCB and sensor	Sayai Liecti Offics	:	Ş0.8Z			Ş0.4Z	33.70		Canada.ca per kilometer allowance for
Sayal Electronics pickup	\$0.58 x kilometers				20			\$11.60	https://www.canada.ca	· ·
Sayar Erecti ornes pronap	Total A minimizers							VIII.00	Treepony WWW.Treamadarea	emproyees, emproyees
							1			
Cone spray nozzle	To spray water evenly	Princess Auto	8116626	\$5.97	1		\$0.77	\$6.74	https://www.princessau	
Barbed NPT fitting	To connect sprayer to clear tube		?	\$3.50			\$0.45			Need to find exact size of sprayer threads
Princess Auto pickup	\$0.58 x kilometers			ψ5.50	0		Ţ01.15	\$0		Included in Sayal pickup (its on the way)
- Thirdest Nate presup	Total A minimizers				<u> </u>			70		monaded in edyal promap (no en ene may)
PCB	Connect sensor/effector with RPI	Prototype Lab			1			\$0		Use prototype lab to save expense
. 65					-			70		and processing of the control of the
Clear acrylic 24" x 12"	For project enclosure	Laird Plastics	3/16"	\$8.20	1		\$1.06	\$9.26		Phone guote
Acrylic cutting		Prototype Lab	-, -	,	1		1	\$0		Prototype Lab or cut it myself on table saw
Already Owned										
Acrylic glue	To assemble acrylic panels				1			\$0		50 mL bottle
Solder	To solder wires/PCB				1			\$0		Roll
Various resistors	Selection in coming weeks*							\$0		various resistors from different parts kits
Various diodes/transistors	Selection in coming weeks*							\$0		various components from different parts kits
Assorted screws, nuts, bolts								\$0		various hardware collected in my toolbox
Electrical wire	18-22 AWG							\$0		approx 8' needed
Heatshrink tube 2:1	To cover wires/connections							\$0		various sizes collected in my toolbox
Clear PVC tube	To plumb water system							\$0		approx 3' needed
Zip ties	Securing wires							\$0		6" zip ties
<u>Totals</u>										
\$CAD Grand Total	\$188.78									