



BOM TABLE					
ITEM NO.	PARTNO	DESCRIPTION	MATERIAL	VENDOR	QTY.
1	100200	G-BOARD FRAME SUBASSEMBLY			1
2	61ST10012	4' BOLT-TOGETHER FRAMING - ALUMINUM	6063-T4	INDUSTRIAL METAL SUPPLY CO.	4
3	100212	SOLENOID CATCH	PET	3D PRINTED	1
4	100214	SPRING LOADED BAR	GALVANIZED STEEL	INDUSTRIAL METAL SUPPLY CO.	4
5	SQT07516GALV	3/4" SQUARE INNER TELESOPING RAIL	GALVANIZED STEEL	INDUSTRIAL METAL SUPPLY CO.	1
6	SQT10016GALV	1" SQUARE, OUTER TELESOPING RAIL	GALVANIZED STEEL	INDUSTRIAL METAL SUPPLY CO.	1
7	92198A310	HEX BOLT 5/16"-24X2.25"X0.875	AISI 316 STAINLESS STEEL SHEET (SS)	MCMaster CARR	2
8	92673A122	HEX NUT 5/16"-24"	AISI 316 STAINLESS STEEL SHEET (SS)	MCMaster CARR	2
9	100220	LONGER BRACKET, TOGETHER CREATES ANGLE NEEDED FOR DOWNWARD FLOW (3D PRINTED NYLON 6/10)	NYLON 6/10	3D PRINTED	4
10	100221	SHORT NFT BRACKET	NYLON 6/10	3D PRINTED	4
11	CHA4048	NFT CHANNEL	PVC RIGID	CROPKING	8
12	92949A571	1/4"-28X1.5X1-C SCREW	AISI 316 STAINLESS STEEL SHEET (SS)	MCMaster CARR	8
13	92673A116	NFTBRACKET NUT- 1/4"-28	AISI 316 STAINLESS STEEL SHEET (SS)	MCMaster CARR	8

- Notes:**
- 1. Solenoid Catch, Long and Short NFT BRackets will be 3D printed to Tolerance +/- 0.01
 - 2. NFT Brackets Vary in lengthwhich causes downward flow of nutrient solution.
 - 3. All 316 Stainless Steel Fasteners are to be Tightened to 19.3 ft-lbs (+/- 0.1 using a Torque Wrench/Screwdriver.
 - 4. Flexible Hoses will connect the NFT Channels. A pump shall be used to provide Nutrient Solution to the plants.

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	University of Arizona	
		DIMENSIONS ARE IN INCHES	DRAWN	Zach	02/08/21	TITLE:	
		TOLERANCES:	CHECKED			G-Board Assembly	
		FRACTIONAL ±	ENG APPR.			Part No: 100200	
		ANGULAR: MACH ± BEND ±	MFG APPR.			SIZE DWG. NO. REV	
		TWO PLACE DECIMAL ±	Q.A.			C 002	
		THREE PLACE DECIMAL ±	COMMENTS:				SCALE: 1:20/WEIGHT: SHEET 1 OF 1
		INTERPRET GEOMETRIC TOLERANCING PER:					
		MATERIAL					
		FINISH					
NEXT ASSY	USED ON						
APPLICATION		DO NOT SCALE DRAWING					