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Part Number	Name	Quantity	Туре	Component Description
1	Profiles	9	Part	
2	L-Angle	6	Assembly	
3	Slot Covers	30	Part	
4	T-Slot	8	Part	
5	Rail & Wagon	5	Assembly	
6.1	Profile to Rail Connector(Left) - Z Axis	1	Part	
6.2	Profile to Rail Connector(Right) - Z Axis	1	Part	
7	E3D V6 Hot End	1	Assembly	
8	Profile to Rail Connector - X Axis	2	Part	
9	Z-Axis Motion System	2	Assembly	
10	Hidden L-Angle	4	Assembly	
11	Case	1	Part	
12	Heat Bed	1	Assembly	
13.1-13.2	X-Axis Motion System	R-L	Assembly	Right & Left
14	Filament Supply System	1	Assembly	
15	Y-Axis Motion System	1	Assembly	
16	Profile Cover	2	Part	
17	Display	1	Part	

Bill of Material: L-Angle

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Part N	Number Na	me	Quantity	Туре	Component Description
2-1	L	Angle	1	Part	
2-2	Nu	t M5	2	Part	

Bill of Material: Rail & Wagon

Part Number	Name	Quantity	Туре	Component Description
5 - 1	Rail	1	Part	
5-2	Wagon	1	Part	
18	Bolt M6	9	Part	

Bill of Material: E3D V6 Hot End

Part Nu	mber Name	Quantity	Туре	Component Description
7 - 1	E3D V6 Heater Block	1	Part	
7-2	E3D(Heat Sink)	1	Part	
7-3	Heat Break	1	Part	
7 - 4	Nozzle	1	Part	
7-5	Fan's Case	1	Part	
7-6	Fan	1	Assembly	
7-7	Bolt M4	4	Part	
7-8	Teflon Pipe & Pneumatic Connector	1	Part	

Bill of Material: Fan

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Part N	Number	Name	Э	Quantity	Туре	Component Description
7-6-1		Fan	Case	1	Part	
7-6-2		Fan	Blade	1	Part	

	3D Printer Bill of Material
	Sheet Size A3
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Semnan University	Supervisor: Dr. Kami

Bill of Material: Z-Axis Motion System

Part Number	Name	Quantity	Туре	Component Description
19.1	Stepper Motor	1	Part	
23	Coupling	1	Part	
9 - 1	Ball Screw	1	Part	
9-2	Ball Screw Support Unit EK8	1	Part	
9-3	Ball Screw Support Unit BF6	1	Part	
9 - 4	Nut	1	Part	

Bill of Material: Hidden L-Angle

Part Number	Name	Quantity	Type Component Description
10-1.1	Hidden L-Angle	1	Part
10-2.2	Bolt M6	2	Part

Bill of Material: Heat Bed

Part Number	Name	Quantity	Туре	Component Description
12-1	HeatBed to Wagon Connector	1	Part	
12-2	HeatBed	1	Part	
12-3	Bolt M2	4	Part	
12-4	Bolt & Nut-M5	4	Part	
18	Bolt M6	4	Part	
12-6	Spring	4	Part	
12-7	Glass	1	Part	

Bill of Material: X-Axis Motion System

Part Number	Name	Quantity	Туре	Component Description
19.1	Stepper Motor	1	Part	
20.1	Pulley Support	1	Part	
21.2	Pulley	1	Part	
22.1	Belt	1	Part	

Bill of Material: Filament Supply System

Part Number	Name	Quantity	Type Component Description
19.1	Stepper Motor	1	Part
15-1	MK8 Extruder Bracket	1	Part
15-2	Pneumatic Connector	2	Part
15-3	Filament Supply System to Profile Connector	1	Part
15-4	T-Slot & Bolts	1	Part

Bill of Material: Y-Axis Motion System

Part Number	Name	Quantity	Туре	Component Description
19.2	Stepper Motor	1	Part	
21.2	Pulley	1	Part	
22.2	Belt	1	Part	
20.2	Pulley Support	1	Part	

