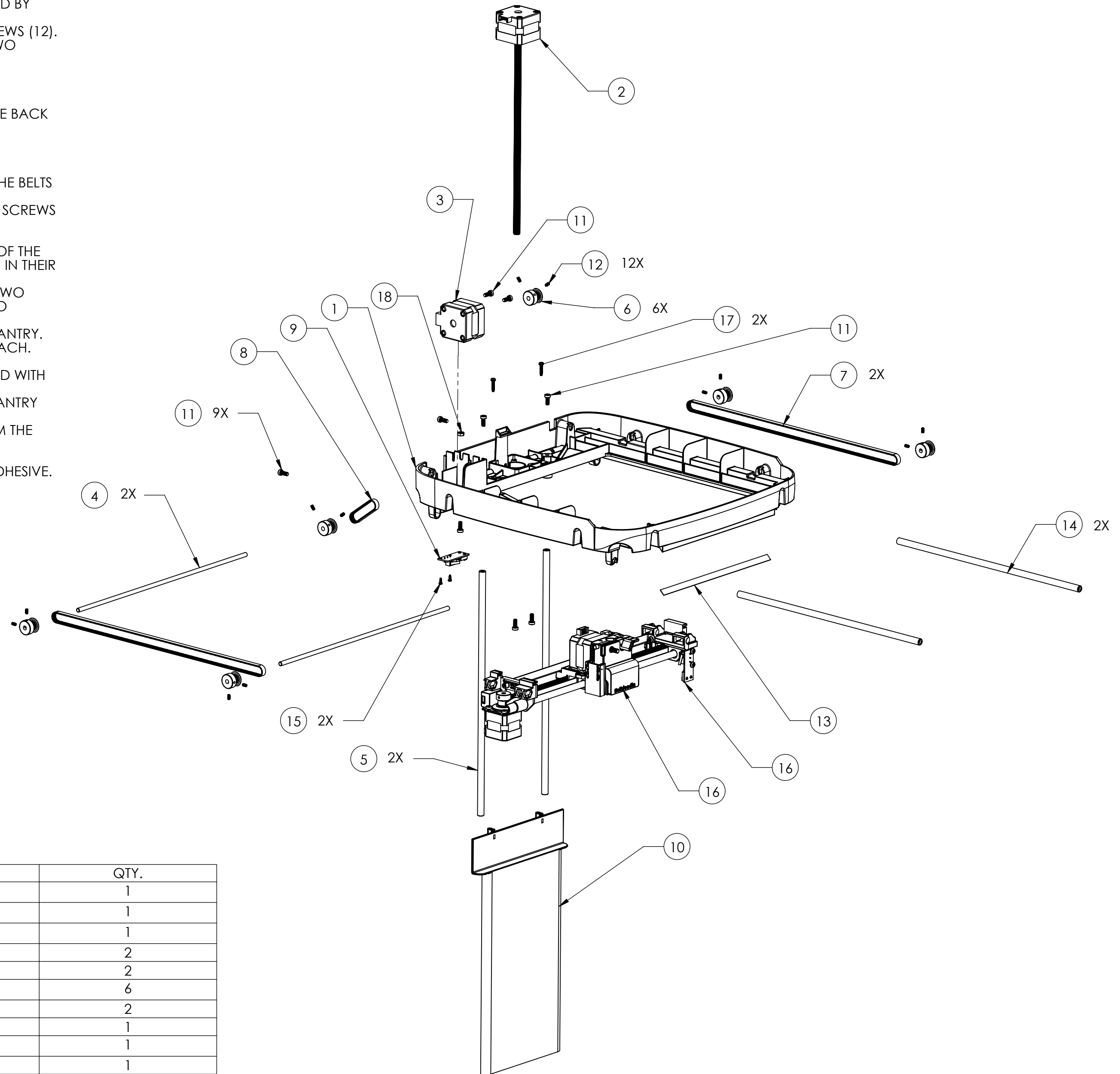


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1	INITIAL RELEASE OF DRAWING	7/16/2014	RJT


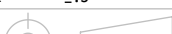
ASSEMBLY STEPS:

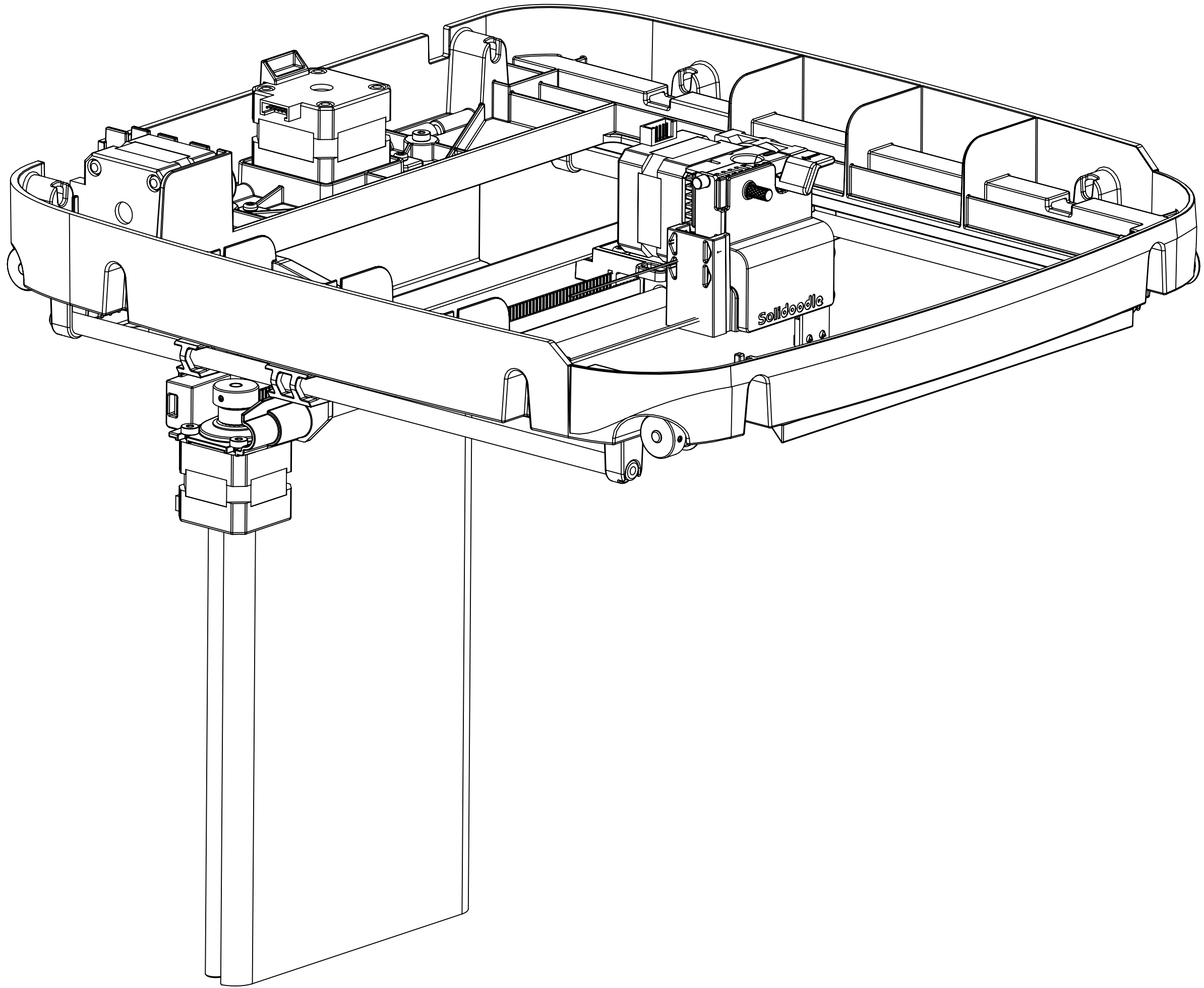
1. M4 NUT (18) IS INSERTED INTO NUT POCKET ON GANTRY (1), AND M4 SCREW (11) IS INSERTED FROM BELOW.
2. MICROSWITCH PCB (9) IS ATTACHED TO UNDERSIDE OF GANTRY (1) AND IS AFFIXED BY TWO SCREWS (15).
3. PULLEY (6) IS ATTACHED TO NEMA 17 MOTOR (3) AND IS AFFIXED BY TWO SET SCREWS (12).
4. NEMA 17 MOTOR IS THEN PLACED IN GANTRY (1) IN OPENING AND AFFIXED BY TWO SCREWS (11).
5. SMALL BELT (8) IS THEN HUNG FROM PULLEY ON MOTOR.
6. SMALL BELT (8) IS ATTACHED TO SECOND PULLEY AS SHOWN.
7. 5MM RODS (4) ARE INSERTED INTO GANTRY (1) FROM SIDE, MAKING SURE THAT THE BACK ROD IS ALSO INSERTED THROUGH PULLEY, AS SHOWN.
8. BACK PULLEY (6) IS AFFIXED TO ROD BY TWO SET SCREWS (12). PULLEY SHOULD BE LOCATED TO OPENING IN GANTRY (1).
9. REMAINING FOUR PULLEYS (6) ARE PLACED ONTO ENDS OF 5MM RODS (4) AND THE BELTS (7) ARE ATTACHED TO THE PULLEYS.
10. ONCE THE BELTS HAVE BEEN ATTACHED, THE PULLEYS ARE AFFIXED WITH TWO SET SCREWS (12) EACH.
11. THE PRINT CAR/CARRIAGE SUB-ASSEMBLY (16) IS THEN LIFTED UP IN THE CENTER OF THE GANTRY (1), AND THE TWO BELTS ARE ATTACHED TO THE PLASTIC CARRIAGE CARS IN THEIR BELT SLOTS.
12. WITH THE PRINT CAR/CARRIAGE SUB-ASSEMBLY STILL BEING HELD IN PLACE, THE TWO 8MM RODS (14) ARE INSERTED FROM THE FRONT, SLIDING ALSO THROUGH THE TWO PLASTIC CARRIAGE CARS.
13. THIS LOCKS THE PRINT CAR/CARRIAGE SUB-ASSEMBLY INTO PLACE WITHIN THE GANTRY.
14. THE TWO 8MM RODS ARE THEN SECURED FROM BEHIND WITH ONE SCREW (11) EACH.
15. TWO 8MM RODS (5) ARE INSERTED INTO GANTRY (1) FROM BELOW, AND SECURED WITH ONE SCREW (18) EACH FROM THE TOP.
16. LEAD SCREW MOTOR (2) IS INSERTED FROM THE TOP THROUGH A HOLE IN THE GANTRY (1), AND IS SECURED FROM BELOW WITH TWO SCREWS (11).
17. THE SHIELD (10) IS INSERTED INTO GANTRY (1) FROM BELOW, AND SECURED FROM THE TOP WITH TWO SCREWS (17).
18. FLEXIBLE LED STRIP (13) IS ATTACHED TO UNDERSIDE OF GANTRY(1) BY BUILT-IN ADHESIVE.
19. NOTE: ALL WIRING IS DIRECTED TOWARDS REAR CORNER OF GANTRY (1) AS IS DESIGNATED IN WIRING ASSEMBLY DRAWINGS.

NOTE: ASSEMBLY STEPS PROVIDED ARE THEORETICAL STEPS LAID OUT BY TOOL. KENVOX SHOULD DEVELOP ITS OWN MOST EFFICIENT METHOD FOR ASSEMBLY USING TOOL'S STEPS AS A GUIDE.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1844_010_rev_05	Internal - Plastic Gantry	1
2	1844_060	Stepper Motor - Lead Screw	1
3	1844_056	Stepper Motor	1
4	1844_045_rev_03		2
5	1844_046_rev_03	8mm Precision Ground Rod	2
6	1844_052	20 Tooth Pulley	6
7	X BELT: A 6R51 M 317 060		2
8	1844_050_rev_02		1
9	Solidoodle_Micro_Switch_Assy		1
10	1844_021_rev_03	Internal - Shield	1
11	m4x10_socket_cap_screw		9
12	m3x6_set_screw_cup		12
13	Internal_LED_strip		1
14	1844_047_rev_03		2
15	m2x6_plastite		2
16	Solidoodle_Carriage_Print_Car_Assy		1
17	m3x14_plastite		2
18	m4_machine_nut		1

	ENGINEERED		PREPARED FOR	
	DRAWN		PROJECT	1844
	CHECKED		JOB NUMBER	
	APPROVED		PART NAME	
631 Hicks St., Brooklyn, NY 11231	DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED. DO NOT SCALE.			
CONFIDENTIAL UNAUTHORIZED USE, DISTRIBUTION, OR REPRODUCTION OF THIS DESIGN, DRAWING, OR INFORMATION IS STRICTLY PROHIBITED. ALL RIGHTS RESERVED.	UNSPECIFIED TOLERANCES X ±.5 .X ±.1 XX ±.05 X* ±.5*		SIZE C	PART NUMBER Plastic_Gantry_Assy
	THIRD ANGLE PROJECTION 		REVISION 1	
			SCALE 1:4	SHEET 1 OF 2



631 Hicks St., Brooklyn, NY 11231

CONFIDENTIAL
UNAUTHORIZED USE, DISTRIBUTION, OR
REPRODUCTION OF THIS DESIGN, DRAWING,
OR INFORMATION IS STRICTLY PROHIBITED.
ALL RIGHTS RESERVED.

ENGINEERED
DRAWN
CHECKED
APPROVED

DIMENSIONS ARE IN MM UNLESS
OTHERWISE SPECIFIED. DO NOT SCALE.
UNSPECIFIED TOLERANCES
X ±.5
.XX ±.1
.XX ±.05
X* ±.5*

THIRD
ANGLE
PROJECTION



PREPARED FOR
PROJECT 1844
JOB NUMBER
PART NAME

Plastic_Gantry_Assy

SIZE C	PART NUMBER Plastic_Gantry_Assy	REVISION 1
SCALE 2:3		SHEET 2 OF 2