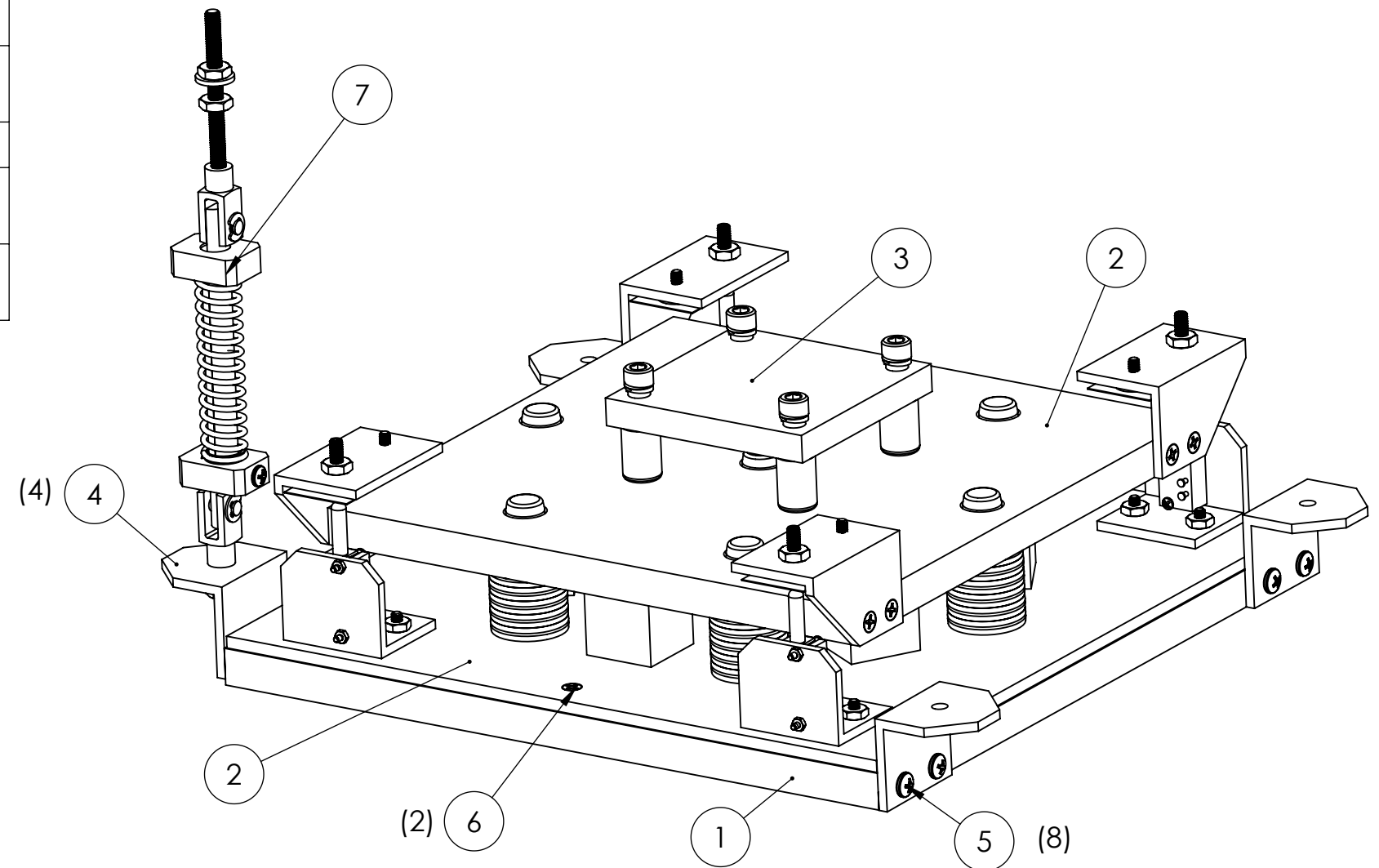


4		3	
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	platen-plate-A	1018 BLANCHARD GROUND STEEL 10 X10 X .50 ONLINE METALS	1
2	spring-carrier-plate-assembly-A	BELLEVILLE SPRING CARRIER ASSEMBLY MMC 89015K94	1
3	pusher-plate-assembly	PUSHER PLATE ASSEMBLY	1
4	retainer-spring-angle	6063 ALUMINUM ANGLE 1.25 X 1.25 X .125	4
5	90272A196	SCREW 8-32 PHD 5/8 LG	8
6	90273A148	SCREW FH 6-32 X 1/2 LG	2
7	return-spring-assy-A	ONE PART SHOWN	4



TOTAL WEIGHT = 29.5 LBS  
 RETURN SPRING DISPLACEMENT STATIC = .35 AT 1.50" ABOVE BED (STANDARD PLATEN HEIGHT)  
 TOTAL RETURN SPRING DISPLACEMENT ACTIVE = 1.10 AT .75 ABOVE BED, (MAX EXTENSION)  
 TOTAL RETURN SPRING LOAD = 23.1 LBS EACH AT .75 ABOVE BED 92.4 LBS TOTAL  
 MAX. LOAD OF RETURN SPRINGS (SOLID) 29 LBS  
 TOTAL FORCE OF PLATEN ON FORM AT HARD STOP (NO. 10 ON METER) = 4725 LBS.  
 (TOTAL WORKING FORCE OF BELLEVILLE SPRINGS)

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<div>PROPRIETARY AND CONFIDENTIAL</div> <div>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF &lt;INSERT COMPANY NAME HERE&gt;. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF &lt;INSERT COMPANY NAME HERE&gt; IS PROHIBITED.</div>			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	The Luminice Press 2.0		
			DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ±    BEND ± TWO PLACE DECIMAL    ± THREE PLACE DECIMAL    ±	DRAWN	TPW	1/11/17	TITLE:  Platen Assembly with Return Springs		
				CHECKED					
				ENG APPR.					
				MFG APPR.					
			INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:			SIZE    DWG. NO.    REV <b>B</b> platen-assembly-A    A		
			MATERIAL						
			FINISH				SCALE: 1:4    WEIGHT:    SHEET 1 OF 2		
	NEXT ASSY	USED ON							
	APPLICATION		DO NOT SCALE DRAWING						

4

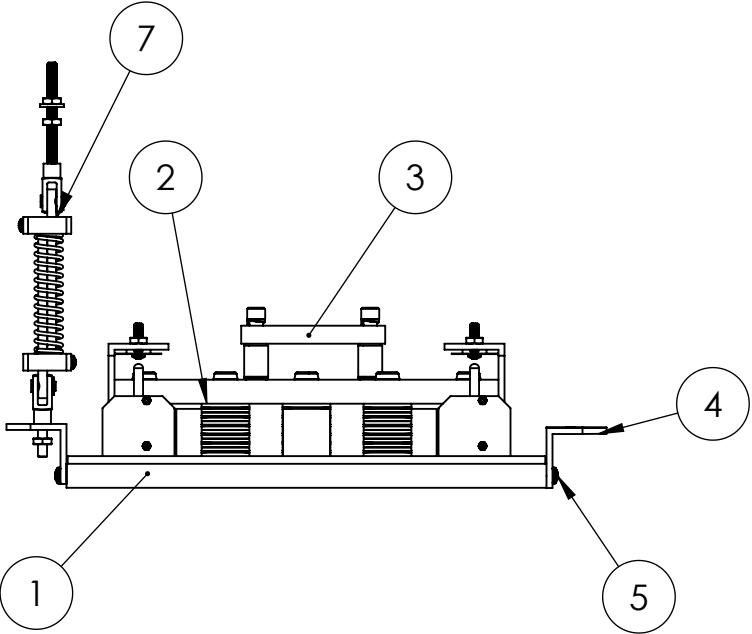
3

2

1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	platen-plate-A	1018 BLANCHARD GROUND STEEL 10 X10 X .50 ONLINE METALS	1
2	spring-carrier-plate-assembly-A	BELLEVILLE SPRING CARRIER ASSEMBLY MMC 89015K94	1
	spring-carrier-A	MMC 89015K94 6061-T6 .160 THK	1
	97175A381	MMC DOWELL PIN .5 X 1.75 PULL OUT	7
	series-spring-stack	MMC BELLEVILLE SPRING	7
	9712K77	MMC 9712K77 BELLEVILLE SPR.	12
	ram-plate-A	1018 BLANCHARD GROUND .5 THK ONLINE METALS	1
	stop	MMC 6775T28 25 MM X 25MM	6
	sensor-assembly	SUB ASSEMBLY SENSOR	4
	404-resistors	SPRING RETURN POSITION SENSOR 10KOHM CONDUCTIVE PLASTIC MODEL 404 SERIES BI TECHNOLOGIES	1
	404-plunger	PART OF ITEM 1	1
	sensor-bracket	MMC 88805K78 1.50 LG	1
	92005A037	SCREW PH M2, .4 16MM	2
	91828A111	NUT M2, .4	2
	90273A540	SCREW FH 1/4-20 X 3/4 LG	7
	90273A148	SCREW FH 6-32 X 1/2 LG	14
	90480A007	NUT 6-32	8
	sensor-actuator-bracket-right	SUB ASSEMBLY SENSOR ACTUATOR RIGHT	2
	sensor-actuator-bracket-right	MMC 88805K78 2.00 LONG	1
	sensor-actuator-plate	MMC 9011K281 STEEL SHIM STOCK	1
	90272A146	SCREW PH 6-32 X 3/8	1
	91525A412	WASHER FLAT .156 ID .500 OD	1
	94355A198	SET SCREW 8-32 X 5/8 LG	1
	96537A140	NUT 8-32	1
	90273A146	SCREW FH 6-32 X 3/8	8
	sensor-actuator-bracket-left	SUB ASSEMBLY SENSOR ACTUATOR LEFT	2
	sensor-actuator-bracket-left	MMC8880RK78 2.00 LONG	1
	sensor-actuator-plate	MMC 9011K281 STEEL SHIM STOCK	1
	90272A146	SCREW PH 6-32 X 3/8	1
	91525A412	WASHER FLAT .156 ID .500 OD	1
	94355A198	SET SCREW 8-32 X 5/8 LG	1
	96537A140	NUT 8-32	1
3	pusher-plate-assembly	PUSHER PLATE ASSEMBLY	1
	pusher-plate-1	3 X 3 STEEL MMC 1388K202	1
	97175A376	DOWELL PIN .5 X .75LG PULL OUT	4
	90073A029	SPLIT LOCK WASHER 1/4	4
	91251A542	SOC HD CAP SCRW 1/4-20, 1 LG.	4
4	retainer-spring-angle	6063 ALUMINUM ANGLE 1.25 X 1.25 X .125	4
5	90272A196	SCREW 8-32 PHD 5/8 LG	8
6	90273A148	SCREW FH 6-32 X 1/2 LG	2
7	return-spring-assy-A	RETURN SPRING ASSEMBLY (1 SHOWN - 4 REQUIRED)	1
	return-spring-rod	MMC 8242T31 HALF ROUND ALUMINUM ROD 6061 .188 RADIUS	2
	return-spring-rod-cap-A	MMC 8573K122 DELRIN SHEET 6 X 6	2
	9657K421	COMPRESION SPRING 2.5 LG SPRING RATE 21LB/IN	1
	2449K11	CLEVIS ROD END NON-METALIC	2
	94355A343	SET SCREW 10-32 X 1 LG	1
	95475A512	THREADED STUC 10-32 X 2.5 LONG	1
	90272A148	SCREW PAN HD 6-32 X 1/2 LONG	2
	90480A195	MMC NUT 10-32	3
	98023A114-FLAT-WASHER-10	WASHER FLAT NO. 10	1

HARDWARE AND MATERIALS LIST



MATERIAL SOURCES: MMC = MCMaster CARR  
ONLINE METALS.COM

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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ±    BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN	TPW	10/28/16
	CHECKED		
	ENG APPR.		
	MFG APPR.		
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
MATERIAL	COMMENTS:		
FINISH			
DO NOT SCALE DRAWING			

The Luminice Press 2.0

TITLE:  
Platen Assembly with  
Return Springs

SIZE	DWG. NO.	REV
B	platen-assembly-A	A

SCALE: 1:4	WEIGHT:	SHEET 2 OF 2
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B

A

1