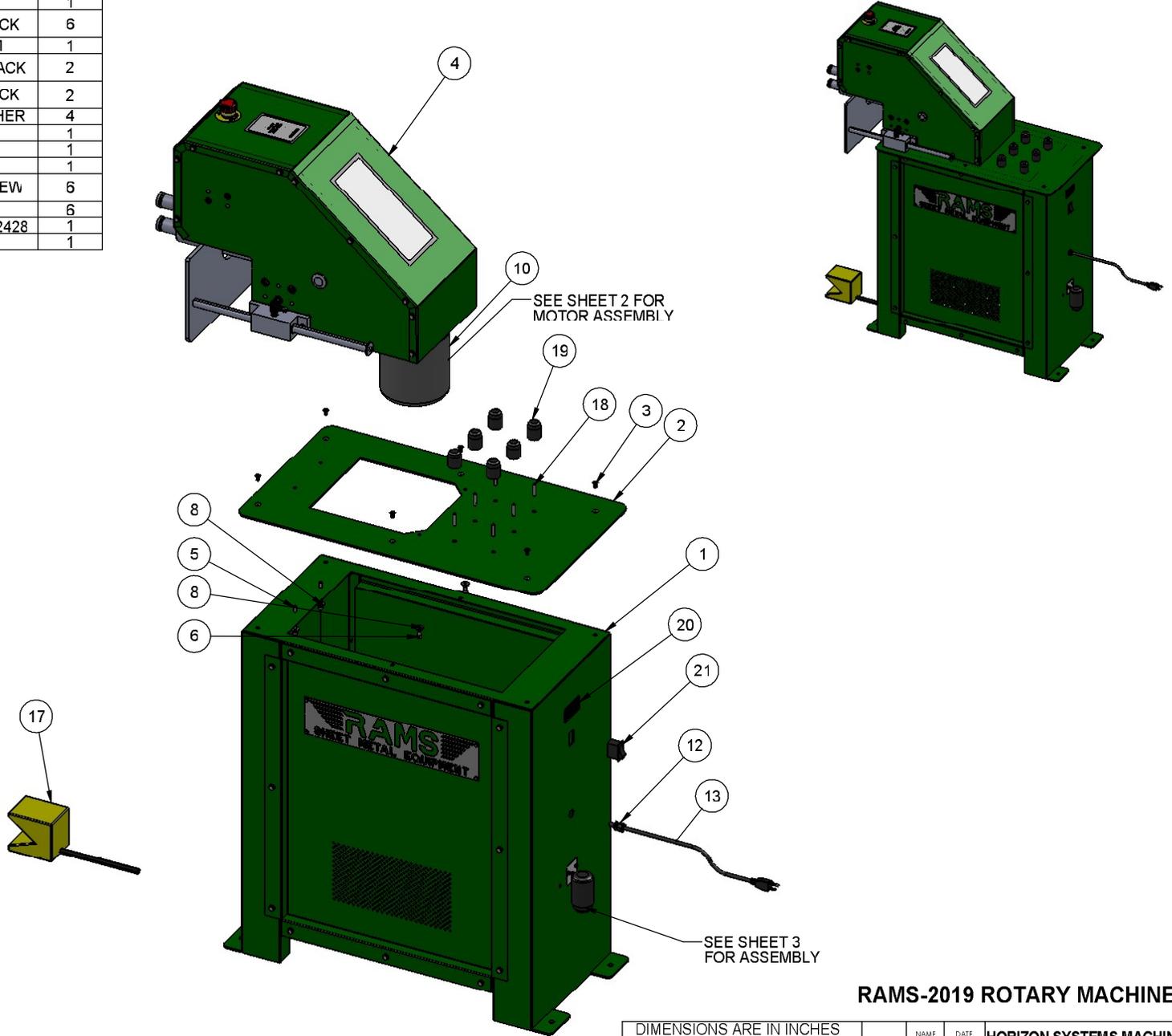


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	ROTARY STAND ASSEMBLY	STAND B ASSEMBLY	1
2	2019-03	TABLE TOP ASSEM	1
3	SCHCSREW 0.25-20x0.5x0.5-HX-N	1/4-20 X 1/2, SHCS, BLACK	6
4	ROTARY 2019 TOP	MECHANICAL ASSEM	1
5	HX-SHCS 0.25-20x2.75x1.25-N	1/4-20 X 2-3/4, SHCS, BLACK	2
6	SHCS 1/4-20 X 1/2, BLACK	1/4-20 X 1/2, SHCS, BLACK	2
8	Regular FW 0.25	1/4, 9/16 OD, FLAT WASHER	4
12	69915K51	CORD GRIP	1
13	CORD1	POWER CORD	1
17	FOOT PEDAL	FOOT PEDAL	1
18	SSCUPSKT 0.25-20x1.25-HX-N	1/4-20 X 1-1/4, SET SCREW	6
19	2019-56	ROLLER HOLDER	6
20	SERIAL #	SERIAL No. TAG, RAMS 2428	1
21	3XS59	TIPPETTE SWITCH	1

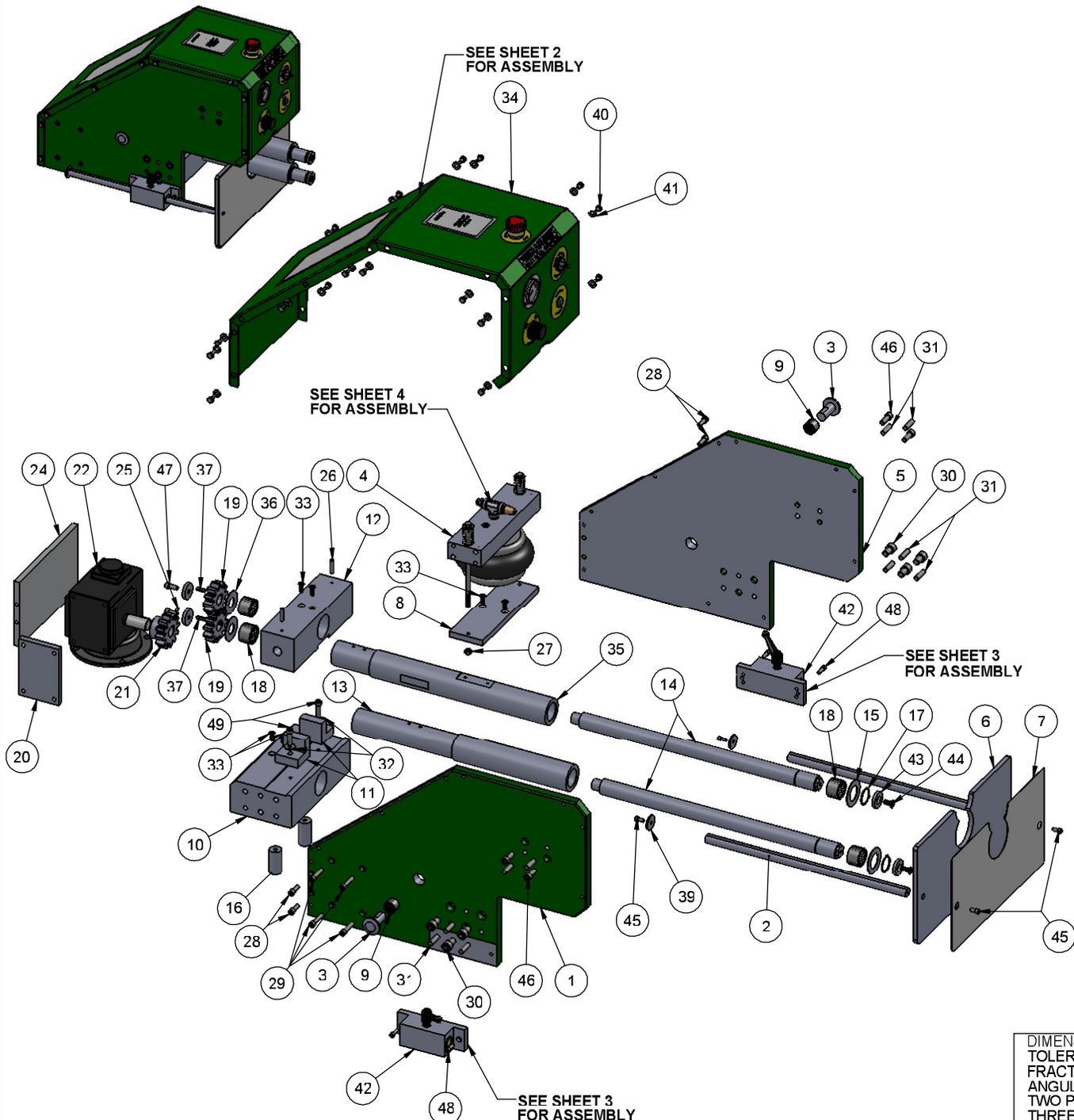


RAMS-2019 ROTARY MACHINE

DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL ± 1/16
 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ± 01
 THREE PLACE DECIMAL ± .005

DRAWN: BTB		DATE: 11/11	HORIZON SYSTEMS MACHINING	
CHECKED:			9121 58TH PLACE	
ENG APPR:			KENOSHA, WI 53144	
MFG APPR:			PH: 262-605-1122	
D.A.			FAX: 262-605-1198	
MATERIAL: SEE BOM		TITLE: ERROR!Description		
FINISH: NONE		SIZE: C	DWG. NO.: ROTARY 2019	RFV
DO NOT SCALE DRAWING		SCALE: 1:1	SHEET 1 OF 3	

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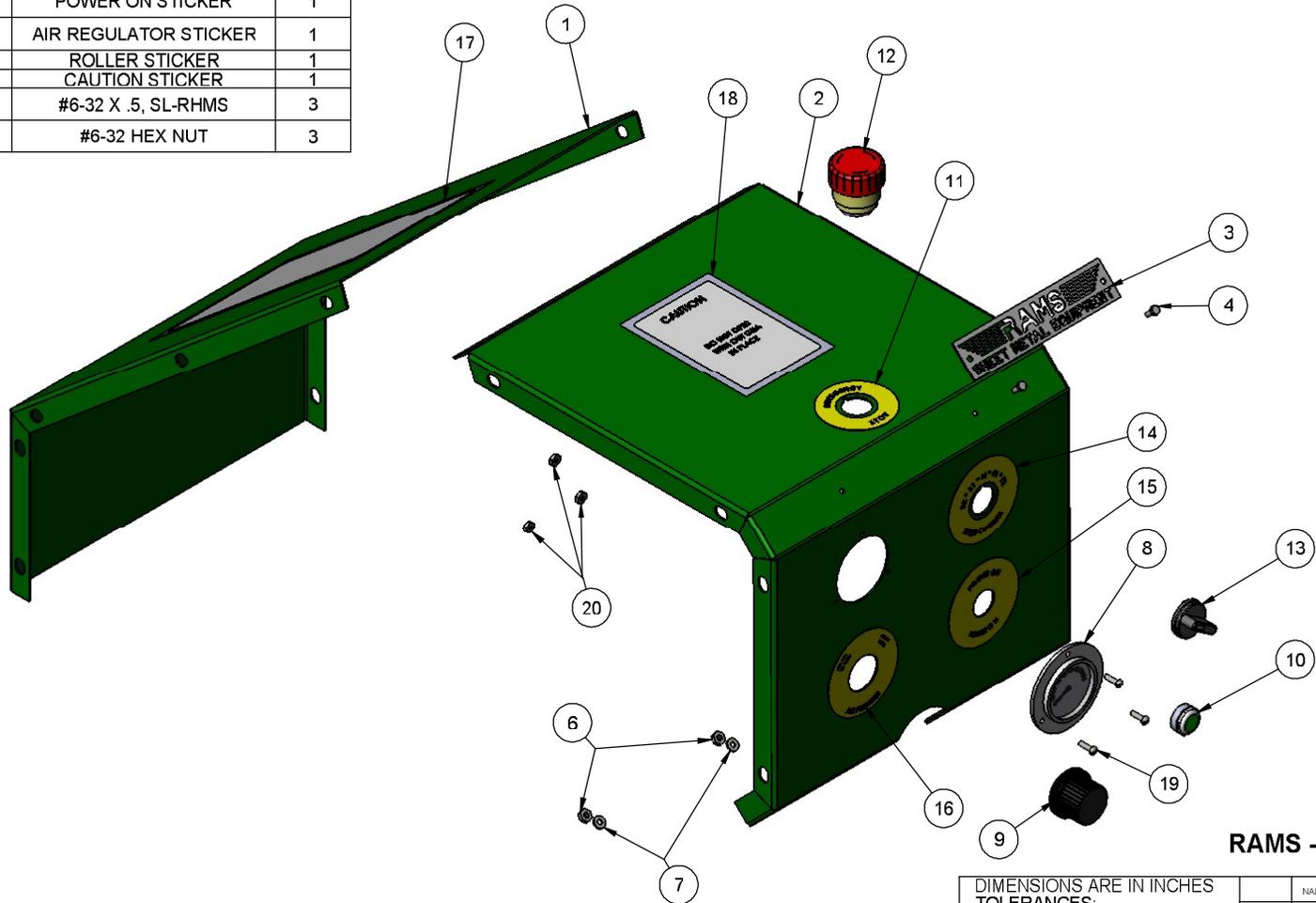
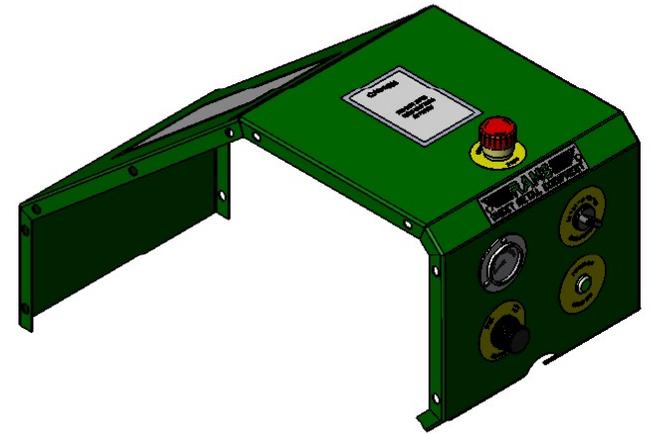


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	2019-10	PLATE-LEFT SIDE	1
2	2019-50	GUIDE BAR	2
3	2019-48	PIN	2
4	BELLOW ASSEM	BELLOW ASSEMBLY	1
5	2019-12	PLATE-RGHT SIDE	1
6	2019-14	PLATE	1
7	2019-14-1	WARE PLATE	1
8	2019-18	PLATE	1
9	B-1212	3/4 X 1 BEARING	2
10	2019-30	LOWER BLOCK	1
11	2019-24	ANGLE SUPPORT	2
12	2019-26	UPPER BLOCK	1
13	TUBE1	TUBE	1
14	SHAFT1	SHAFT	2
15	2019-40	WASHER	2
16	2019-43	STAND BUSHING	2
17	B27.1 - NA1-125	EXTERNAL RETAINING RING	2
18	B-2016	1-1/2 X 1 BEARING	4
19	2019-53	SHAFT GEAR	2
20	2019-16	GEAR REDUCTION PLATE	1
21	2019-54	MOTOR GEAR	1
22	GEAR REDUCER	SPEED CONTROL	1
24	2019-20	BACK PLATE	1
25	SSCUPSKT 0.19-32x0.375-HX-N	10-32 X 3/8, NYLOCK SET SCREW	1
26	SSCUPSKT 0.25-20x1.25-HX-N	1/4-20 X 1-1/4, SET SCREW	2
27	HNUT 0.3125-18-D-N	5/16-18, HEX NUT	2
28	HX-SHCS 0.250-20x0.500x0.500-N	1/4-20 X 1/2, SHCS	4
29	HX-SHCS 0.3125-18x1.5x1.5-N	5/16-18 X 1-1/2, SHCS	4
30	HX-SHCS 0.5-13x0.75x0.75-N	1/2-13 X 3/4, SHCS	6
31	ASME B18.8.2 - 0.375x1.25	DOWEL PINS 3/8 X 1-1/4	10
32	Regular FW 0.3125	5/16 FLATWASHER	2
33	SCHSCREW 0.25-20x0.75x0.75-HX-N	1/4-20 X 3/4, FHCS	6
34	2019-04	TOP COVER ASSEMBLY	1
35	TUBE2	TUBE2	1
36	2019-42	WASHER	2
37	Key B17.1 0.1875x0.1875x.750	3/4 LONG KEY	2
38	2019-44	PLAIN WASHER	2
39	2019-49	GUIDE BAR WASHER	2
40	HFBOLT 0.25-20x0.375x0.375-N	1/4-20 X 3/8, HHCS	18
41	Preferred Narrow FW 0.25	1/4 FLAT WASHER	18
42	GUIDE BAR BLOCK	GUIDE BAR BLOCK ASSEM	2
43	2019-46	C-SUNK WASHER	2
44	SCHSCREW 0.3125-18x0.75x0.75-HX-N	5/16-18 X .75, SHCS	2
45	SHCS, 1/4-20 X 1/2	1/4-20 X 1/2, SHCS	4
46	HX-SHCS 0.375-16x1x1-N	3/8-16 X 1, SHCS	4
47	HX-SHCS 0.3125-18x0.75x0.75-N	5/16-18 X 1-1/4, SHCS	2
48	HX-SHCS 0.25-20x0.75x0.75-N	1/4-20 X 3/4, SHCS	4
49	HX-SHCS 0.3125-18x1.25x1.25-N	5/16-18 X 1-1/4, SHCS	2

RAMS - 2019 ROTARY MACHINE

DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 1/16 ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± 01 THREE PLACE DECIMAL ± .005		<table border="1"> <tr><td>NAME</td><td>DATE</td></tr> <tr><td>BTE</td><td>1/15/11</td></tr> <tr><td>CHECKED</td><td></td></tr> <tr><td>ENG APPR.</td><td></td></tr> <tr><td>MFG APPR.</td><td></td></tr> <tr><td>DATE</td><td></td></tr> </table>	NAME	DATE	BTE	1/15/11	CHECKED		ENG APPR.		MFG APPR.		DATE		HORIZON SYSTEMS MACHINING 9121 58TH PLACE KENOSHA, WI 53144 PH: 262-605-1122 FAX: 262-605-1198			
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SHEET	1 OF 2																	

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	2019-01	COVER	1
2	2019-02	COVER	1
3	SL-1720	SMALL RAMS LOGO	1
4	PL-RHMS 0.138-32x0.375x0.375-N	#6-32 X 3/8, HHCS	2
6	MSHXNUT 0.164-32-S-N	#6-32 HEX NUT	2
7	Preferred Narrow FW 0.138	#6 FLAT WASHER	2
8	AIR GUAGE	AIR PRESSURE GUAGE	1
9	AIR REGULATOR KNOB	AIR REGULATOR	1
10	POWER ON BUTTON	POWER BUTTON	1
11	EMERGENCY STOP	EMERGENCY STOP STICKER	1
12	STOP BUTTON	STOP BUTTON	1
13	SPEED CONTROL	SPEED CONTROL	1
14	SPEED CONTROL STICKER	SPEED CONTROL STICKER	1
15	POWER ON STICKER	POWER ON STICKER	1
16	AIR REGULATOR STICKER	AIR REGULATOR STICKER	1
17	ROLLER STICKER	ROLLER STICKER	1
18	CAUTION	CAUTION STICKER	1
19	SL-RHMS 0.138-32x0.5x0.5-N	#6-32 X .5, SL-RHMS	3
20	MSHXNUT 0.138-32-S-N	#6-32 HEX NUT	3



RAMS - 2019 ROTARY MACHINE

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	NAME	DATE
DRAWN	BTB	1/16/1
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HORIZON SYSTEMS MACHINING
 9121 58TH PLACE
 KENOSHA, WI 53144
 PH: 262-605-1122
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MATERIAL	SEE BOM
FINISH	NONE
DO NOT SCALE DRAWING	

TITLE	TOP COVER ASSEMBLY	
SIZE	C	RFV
ROTARY 2019 TOP		
SCALE	1:1	SHEET 2 OF 4