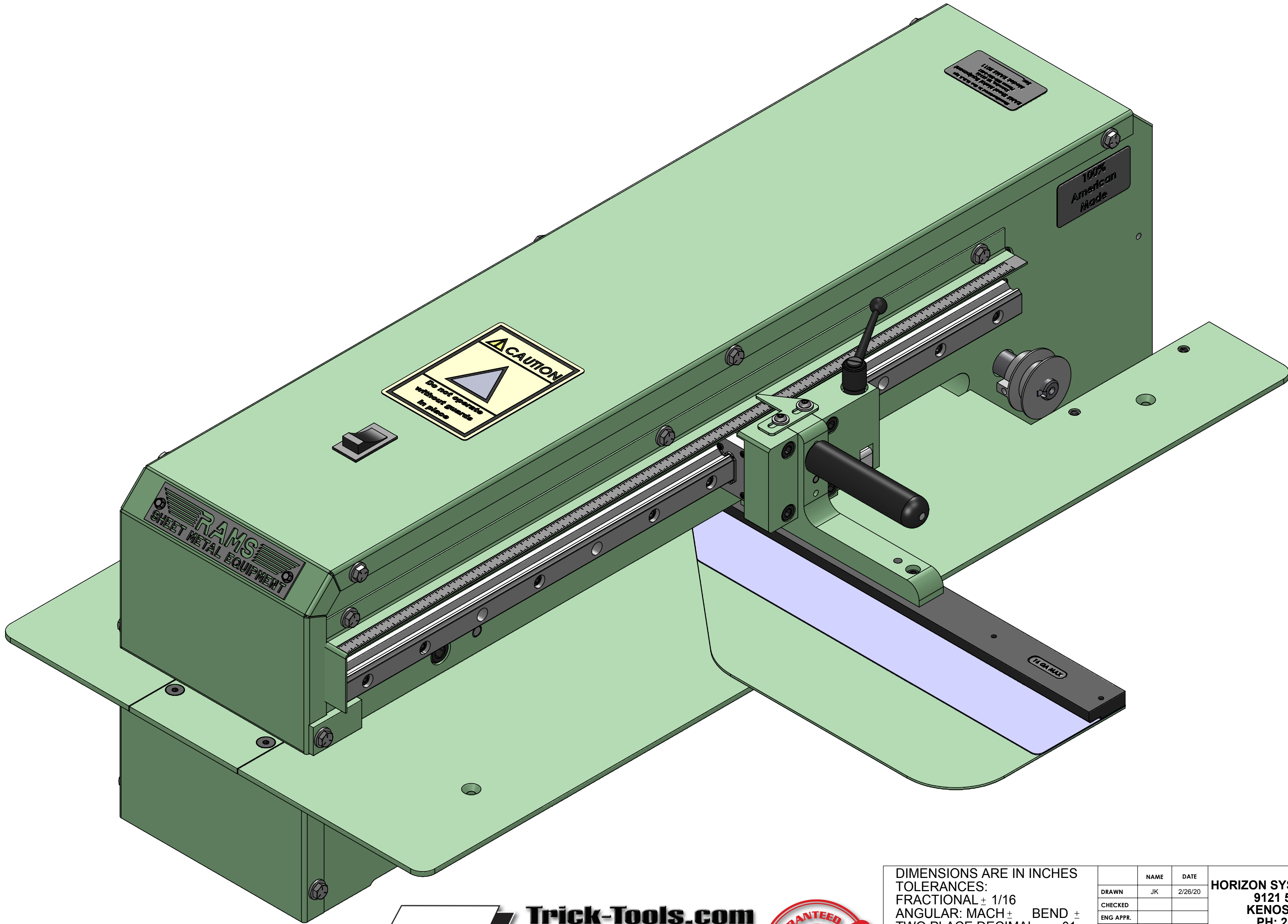


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
A	D2	REVISED ENTIRE ASSEMBLY	2/24/2020	JK



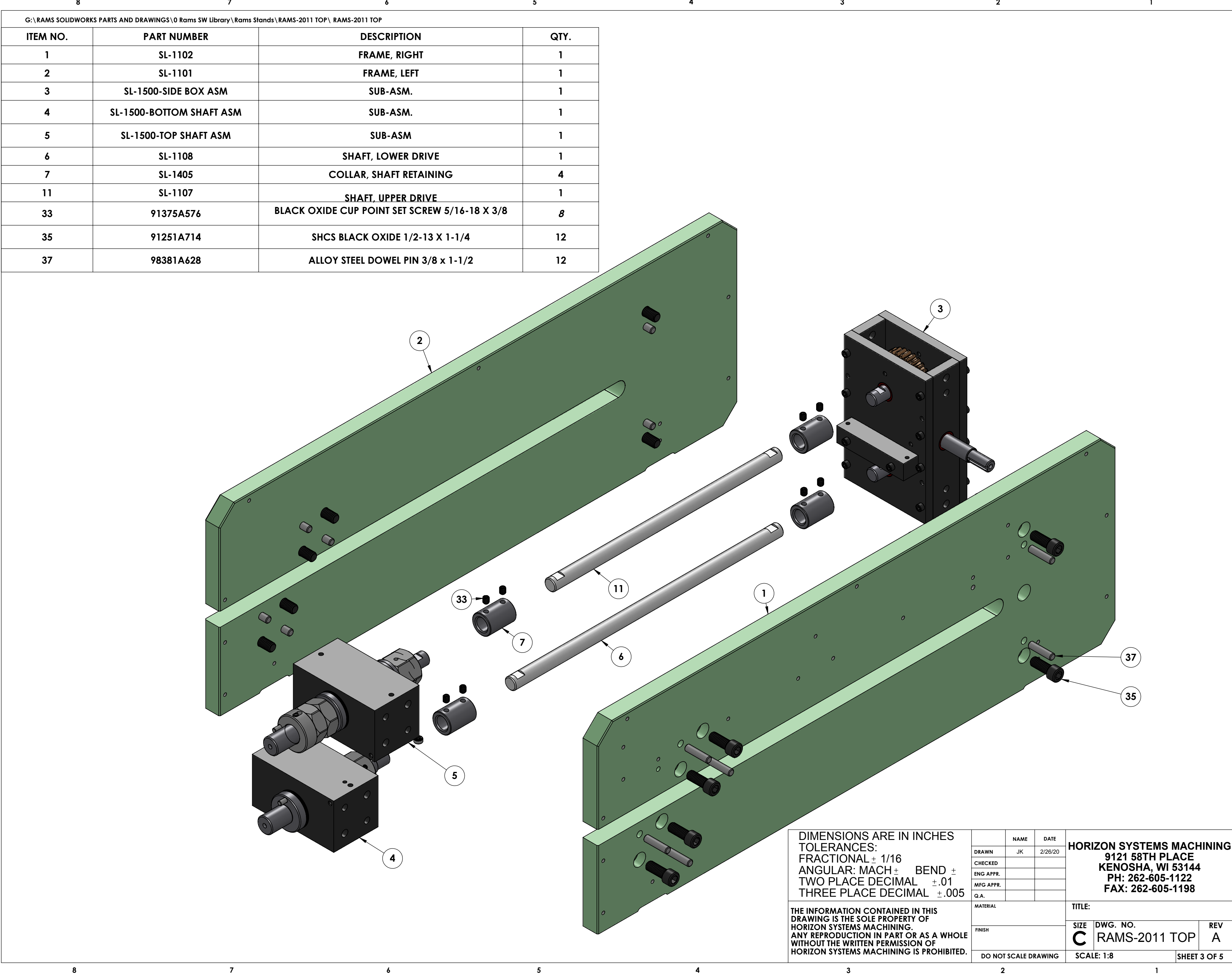
Trick-Tools.com
75 Truman Road
Pella, IA 50219
Phone:1-877-VAN-SANT
E-mail: sales@trick-tools.com



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

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WITHOUT THE WRITTEN PERMISSION OF
HORIZON SYSTEMS MACHINING IS PROHIBITED.

	NAME	DATE	HORIZON SYSTEMS MACHINING 9121 58TH PLACE KENOSHA, WI 53144 PH: 262-605-1122 FAX: 262-605-1198		
DRAWN	JK	2/26/20			
CHECKED					
ENG APPR.					
MFG APPR.					
Q.A.			TITLE:		
MATERIAL			SIZE DWG. NO. REV		
FINISH			C RAMS-2011 TOP A		
DO NOT SCALE DRAWING			SCALE: 1:8		SHEET 1 OF 5



G:\RAMS SOLIDWORKS PARTS AND DRAWINGS\0 Rams SW Library\Rams Stands\RAMS-2011 TOP\ RAMS-2011 TOP			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	SL-1102	FRAME, RIGHT	1
2	SL-1101	FRAME, LEFT	1
3	SL-1500-SIDE BOX ASM	SUB-ASM.	1
4	SL-1500-BOTTOM SHAFT ASM	SUB-ASM.	1
5	SL-1500-TOP SHAFT ASM	SUB-ASM	1
6	SL-1108	SHAFT, LOWER DRIVE	1
7	SL-1405	COLLAR, SHAFT RETAINING	4
11	SL-1107	SHAFT, UPPER DRIVE	1
33	91375A576	BLACK OXIDE CUP POINT SET SCREW 5/16-18 X 3/8	8
35	91251A714	SHCS BLACK OXIDE 1/2-13 X 1-1/4	12
37	98381A628	ALLOY STEEL DOWEL PIN 3/8 x 1-1/2	12

DIMENSIONS ARE IN INCHES

TOLERANCES:

FRACTIONAL $\pm 1/16$

ANGULAR: MACH $\pm$ BEND $\pm$

TWO PLACE DECIMAL $\pm .01$

THREE PLACE DECIMAL $\pm .005$

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	NAME	DATE	HORIZON SYSTEMS MACHINING 9121 58TH PLACE KENOSHA, WI 53144 PH: 262-605-1122 FAX: 262-605-1198		
DRAWN	JK	2/26/20			
CHECKED					
ENG APPR.					
MFG APPR.					
Q.A.					
MATERIAL			TITLE:		
FINISH			SIZE	DWG. NO.	REV
DO NOT SCALE DRAWING			C	RAMS-2011 TOP	A
			SCALE: 1:8		SHEET 3 OF 5

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G:\RAMS SOLIDWORKS PARTS AND DRAWINGS\0 Rams SW Library\Rams Stands\RAMS-2011 TOP\ RAMS-2011 TOP

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
8	SL-1401	WHEEL, CUTTER	2
9	SL-1404	NUT, CUTTER LOCKING, 1"-8 THREAD	2
10	SL1600	MOUNTING PLATE, TOP, SLITTER	1
12	HGR 25-R710-H	RAIL - 710 MM COMES ALONG WITH PLASTIC CAP COVERS FOR SCREW HEADS	1
13	HGW 25-CA-ZO-H	HIWIN BLOCK	1
14	SL-1106	SHIELD, RAIL	1
26	1909A41	ADHESIVE BACKED SCALE	1
27	SL-1300	SUB-ASM- BACKGAGE ASSY	1
28	92865A535	HHCS 1/4-20 X 3/8 CAP SCREW	3
29	90126A029	ZINC-PLATED STEEL SAE FLAT WASHER .625 OD FOR .250 SCREW	3
32	91253A540	FHCS BLACK OXIDE 1/4-20 X 3/4	4
33	91375A576	BLACK OXIDE CUP POINT SET SCREW 5/16-18 X 3/8	1
34	91251A541	SHCS BLACK OXIDE ALLOY STEEL 1/4-20 x 7/8	8
36	91290A434	SHCS BLACK OXIDE M8 X 1.25 MM THREAD X 30MM LENGTH	4
40	CA200X5/8	2" DIA X 5/8" BORE PULLEY	1
41	98870A140	STEEL MACHINE KEY-.188SQ. X 1.00	1

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INSTALL PLASTIC CAP COVER INSERTS OVER SCREW HEADS (COMES WITH THE RAILS)

PUT PULLEY ON FIRST BEFORE MOUNTING PLATE

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

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	NAME	DATE	HORIZON SYSTEMS MACHINING 9121 58TH PLACE KENOSHA, WI 53144 PH: 262-605-1122 FAX: 262-605-1198		
DRAWN	JK	2/26/20			
CHECKED					
ENG APPR.					
MFG APPR.					
Q.A.			TITLE:		
MATERIAL			SIZE	DWG. NO.	REV
FINISH			C	RAMS-2011 TOP	A
DO NOT SCALE DRAWING			SCALE: 1:12		SHEET 4 OF 5

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
15	SL-1603	COVER, CUTTER ACCESS	1
16	SL-1704	SUB-ASM- GUARD, LOWER CUTTER	1
17	SL-1110	STOP BLOCK	1
18	SL-1105	SHIELD, FRONT	1
19	SL-1720	SMALL RAMS LOGO	1
20	90822A327	SS #8-18-3/8 DRILLING SCREW FOR METAL	2
21	CPF-034	COMES ALONG WITH KIT 4 MOTOR - TIPPETTE SWITCH	1
23	5948T942-CAUTION LABEL	CAUTION LABEL STICKER	1
24	RAMS 2011	SERIAL NUMBER TAGS	1
25	Made in the USA	100% AMERICAN MADE STICKER	1
28	92865A535	HHCS 1/4-20 X 3/8 CAP SCREW	11
29	90126A029	ZINC-PLATED STEEL SAE FLAT WASHER .625 OD FOR .250 SCREW	12
30	92865A540	HHCS ZN 1/4-20 X 3/4	1
31	91253A537	FHCS BLACK OXIDE 1/4-20 X 1/2	2
42	7582K22	Fastener-Mount Cable Tie Holder with Adhesive Back, 4 Way, 0.18" Maximum Tie Width, Black	3

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

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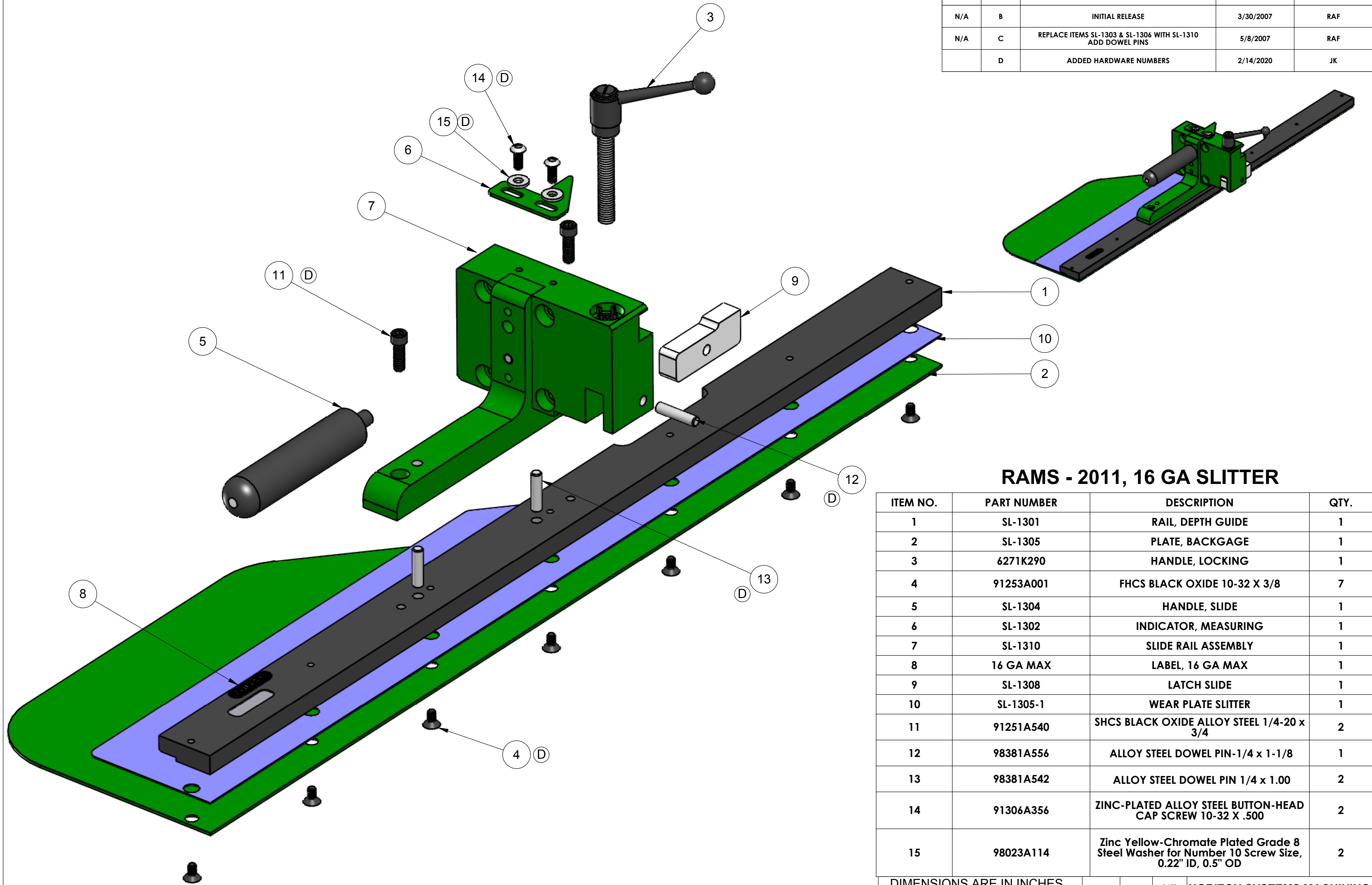
	NAME	DATE
DRAWN	JK	2/26/20
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		

TITLE:	
SIZE	DWG. NO.
C	RAMS-2011 TOP
SCALE: 1:12	

REV
A

SHEET 5 OF 5

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
N/A	B	INITIAL RELEASE	3/30/2007	RAF
N/A	C	REPLACE ITEMS SL-1303 & SL-1306 WITH SL-1310 ADD DOWEL PINS	5/8/2007	RAF
	D	ADDED HARDWARE NUMBERS	2/14/2020	JK



RAMS - 2011, 16 GA SLITTER

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	SL-1301	RAIL, DEPTH GUIDE	1
2	SL-1305	PLATE, BACKGAGE	1
3	6271K290	HANDLE, LOCKING	1
4	91253A001	FHCS BLACK OXIDE 10-32 X 3/8	7
5	SL-1304	HANDLE, SLIDE	1
6	SL-1302	INDICATOR, MEASURING	1
7	SL-1310	SLIDE RAIL ASSEMBLY	1
8	16 GA MAX	LABEL, 16 GA MAX	1
9	SL-1308	LATCH SLIDE	1
10	SL-1305-1	WEAR PLATE SLITTER	1
11	91251A540	SHCS BLACK OXIDE ALLOY STEEL 1/4-20 x 3/4	2
12	98381A556	ALLOY STEEL DOWEL PIN-1/4 x 1-1/8	1
13	98381A542	ALLOY STEEL DOWEL PIN 1/4 x 1.00	2
14	91306A356	ZINC-PLATED ALLOY STEEL BUTTON-HEAD CAP SCREW 10-32 X .500	2
15	98023A114	Zinc Yellow-Chromate Plated Grade 8 Steel Washer for Number 10 Screw Size, 0.22" ID, 0.5" OD	2

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

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	NAME	DATE
DRAWN	RAF	02/03/07
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		

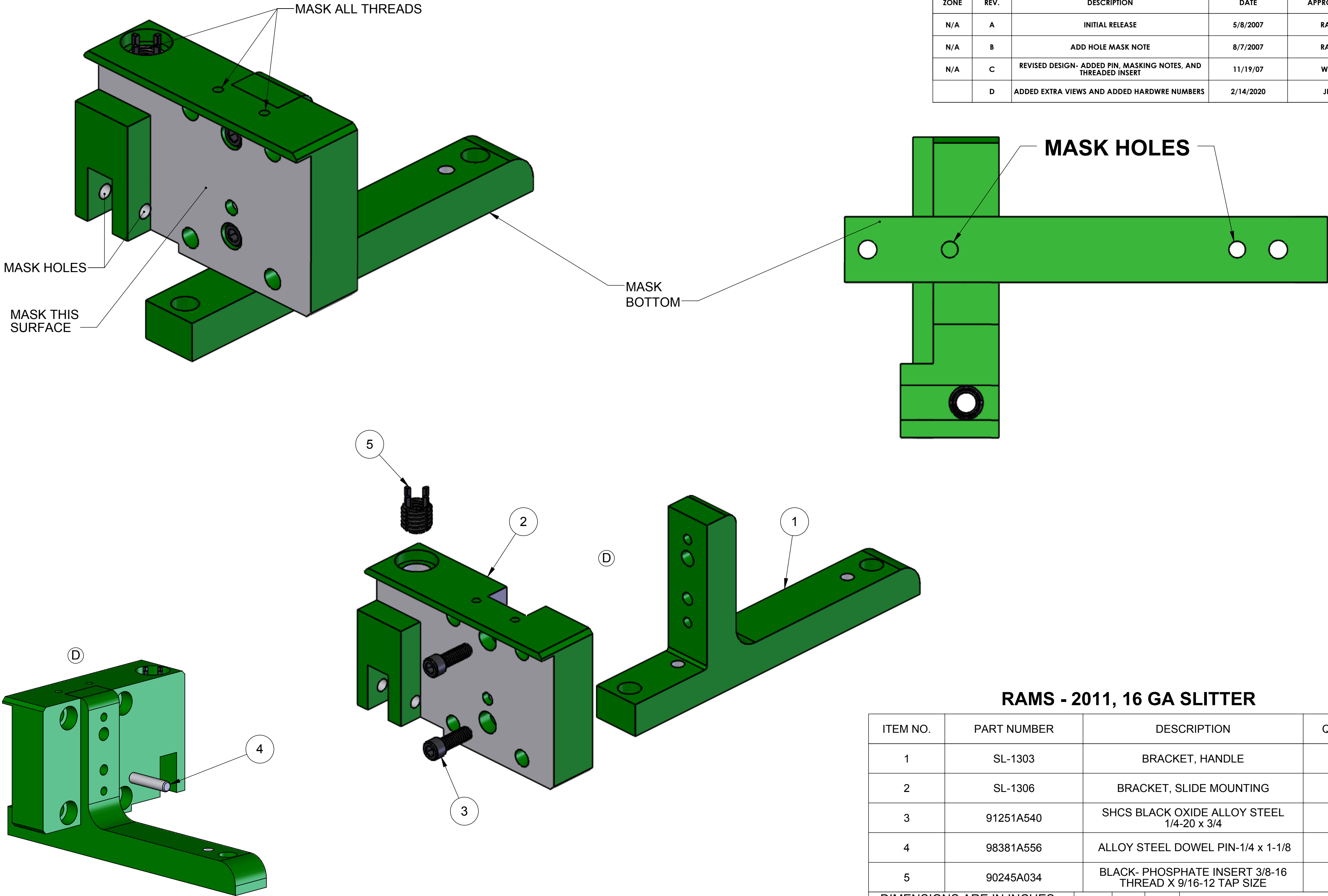
MATERIAL	SEE BOM	
FINISH	SEE NOTES	
DO NOT SCALE DRAWING		

HORIZON SYSTEMS MACHINING

9121 58TH PLACE
KENOSHA, WI 53144
PH: 262-605-1122
FAX: 262-605-1198

TITLE: SUB-ASM- BACKGAGE ASSY		
SIZE	DWG. NO.	REV
C	SL-1300	D
SCALE: 1:1.5		SHEET 1 OF 1

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
N/A	A	INITIAL RELEASE	5/8/2007	RAF
N/A	B	ADD HOLE MASK NOTE	8/7/2007	RAF
N/A	C	REVISED DESIGN- ADDED PIN, MASKING NOTES, AND THREADED INSERT	11/19/07	WH
	D	ADDED EXTRA VIEWS AND ADDED HARDWRE NUMBERS	2/14/2020	JK



NOTES:

- BREAK ALL SHARP EDGES .03 MAX UNLESS OTHERWISE NOTED.
- FINISH: PAINT, #T064-GN81 GREEN HAMMERTONE SEMI-GLOSS

RAMS - 2011, 16 GA SLITTER

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	SL-1303	BRACKET, HANDLE	1
2	SL-1306	BRACKET, SLIDE MOUNTING	1
3	91251A540	SHCS BLACK OXIDE ALLOY STEEL 1/4-20 x 3/4	2
4	98381A556	ALLOY STEEL DOWEL PIN-1/4 x 1-1/8	1
5	90245A034	BLACK- PHOSPHATE INSERT 3/8-16 THREAD X 9/16-12 TAP SIZE	1

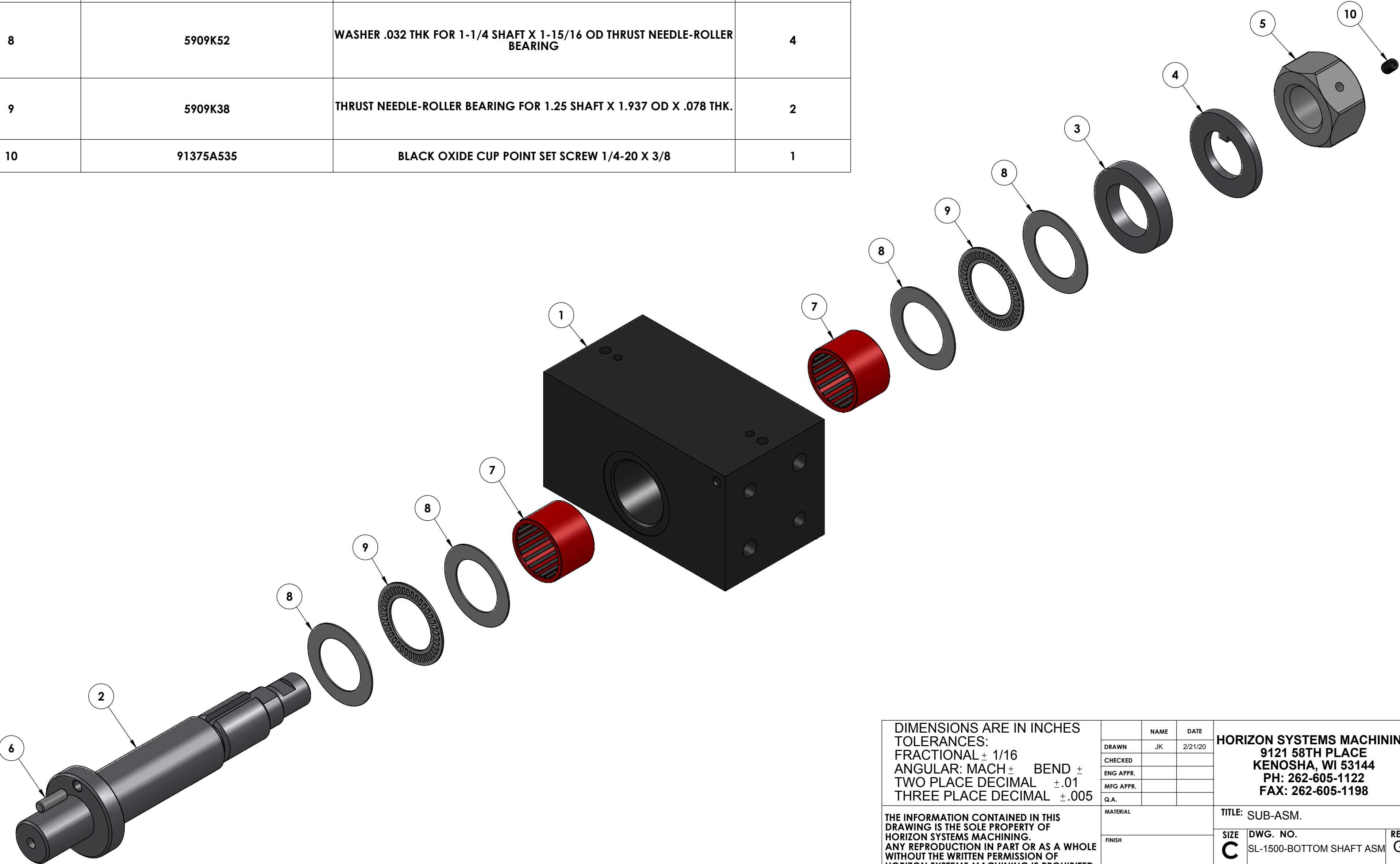
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 1/16 ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ±.01 THREE PLACE DECIMAL ±.005		NAME	DATE	HORIZON SYSTEMS MACHINING 9121 58TH PLACE KENOSHA, WI 53144 PH: 262-605-1122 FAX: 262-605-1198
	DRAWN	RAF	05/08/07	
	CHECKED			
	ENG APPR.			
	MFG APPR.			
	Q.A.			

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	FINISH	SEE NOTES			SIZE	DWG. NO.	REV
					C	SL-1310	D
	DO NOT SCALE DRAWING			SCALE: 1.5:1		SHEET 1 OF 2	

G:\RAMS SOLIDWORKS PARTS AND DRAWINGS\0 Rams SW Library\Rams Stands\RAMS-2011 TOP\ SL-1500-BOTTOM SHAFT ASM			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	SL-1403	SUPPORT, LOWER CUTTER	1
2	SL-1402	SHAFT, LOWER CUTTER	1
3	SL-1407	SHAFT THRUST WASHER	1
4	SL-1406	KEYED SHAFT WASHER	1
5	SL-1205	NUT, 1 1/8"-7 UNC THREAD	1
6	98381A540	ALLOY STEEL DOWEL PIN 1/4 X 3/4	1
7	B-2016	DRAWN CUP NEEDLE ROLLER BEARING 1-1/4 IN BORE X 1-1/2 OD X 1.00 WIDTH	2
8	5909K52	WASHER .032 THK FOR 1-1/4 SHAFT X 1-15/16 OD THRUST NEEDLE-ROLLER BEARING	4
9	5909K38	THRUST NEEDLE-ROLLER BEARING FOR 1.25 SHAFT X 1.937 OD X .078 THK.	2
10	91375A535	BLACK OXIDE CUP POINT SET SCREW 1/4-20 X 3/8	1

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
D2	G	REDO SUB ASSEMBLIES WITH PART NUMBERS	3/10/2020	JK

G



DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 1/16 ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ±.01 THREE PLACE DECIMAL ±.005		NAME	DATE	HORIZON SYSTEMS MACHINING 9121 58TH PLACE KENOSHA, WI 53144 PH: 262-605-1122 FAX: 262-605-1198		
	DRAWN	JK	2/21/20			
	CHECKED					
	ENG APPR.					
	MFG APPR.					
	Q.A.					
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	FINISH			SIZE	DWG. NO.	REV
				C	SL-1500-BOTTOM SHAFT ASM	G
	DO NOT SCALE DRAWING			SCALE: 1:8		SHEET 1 OF 1

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
D2	G	REDO SUB ASSEMBLIES WITH PART NUMBERS	3/10/2020	JK

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	SL-1801	COVER, FRONT, GEAR BOX	2
2	SL-1805	SHAFT, CUTTER DRIVE	2
3	98870A140	STEEL MACHINE KEY-.188SQ. X 1.00	2
4	SL-1806	WORM GEAR	2
5	SL-1803	COVER, SIDES, GEAR BOX	2
6	SL-1804	SHAFT AND WORM GEAR	1
7	SL-1109	RAIL, TABLE MOUNTING	1
8	B-128	BEARING: PART# B-128	6
9	91251A541	SHCS BLACK OXIDE ALLOY STEEL 1/4-20 x 7/8	16
10	90044A123	SHCS BLACK OXIDE ALLOY STEEL 1/4-20 x 1-1/2	2
11	5909K46	WASHER .032 THK FOR 3/4 SHAFT X 1-1/4 OD THRUST NEEDLE- ROLLER BEARING	12
12	5909K33	THRUST NEEDLE-ROLLER BEARING FOR .750 SHAFT X 1.250 OD X .078 THK.	6
13	91375A537	BLACK OXIDE CUP POINT SET SCREW 1/4-20 X 1/2	2
14	98381A542	ALLOY STEEL DOWEL PIN 1/4 x 1.00	8

DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 1/16 ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ±.01 THREE PLACE DECIMAL ±.005		NAME	DATE	HORIZON SYSTEMS MACHINING 9121 58TH PLACE KENOSHA, WI 53144 PH: 262-605-1122 FAX: 262-605-1198		
	DRAWN	JK	2/21/21			
	CHECKED					
	ENG APPR.					
	MFG APPR.					
	Q.A.					
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	FINISH			SIZE	DWG. NO.	REV
				C	SL-1500-SIDE BOX ASM	G
	DO NOT SCALE DRAWING			SCALE: 1:8		SHEET 1 OF 1

