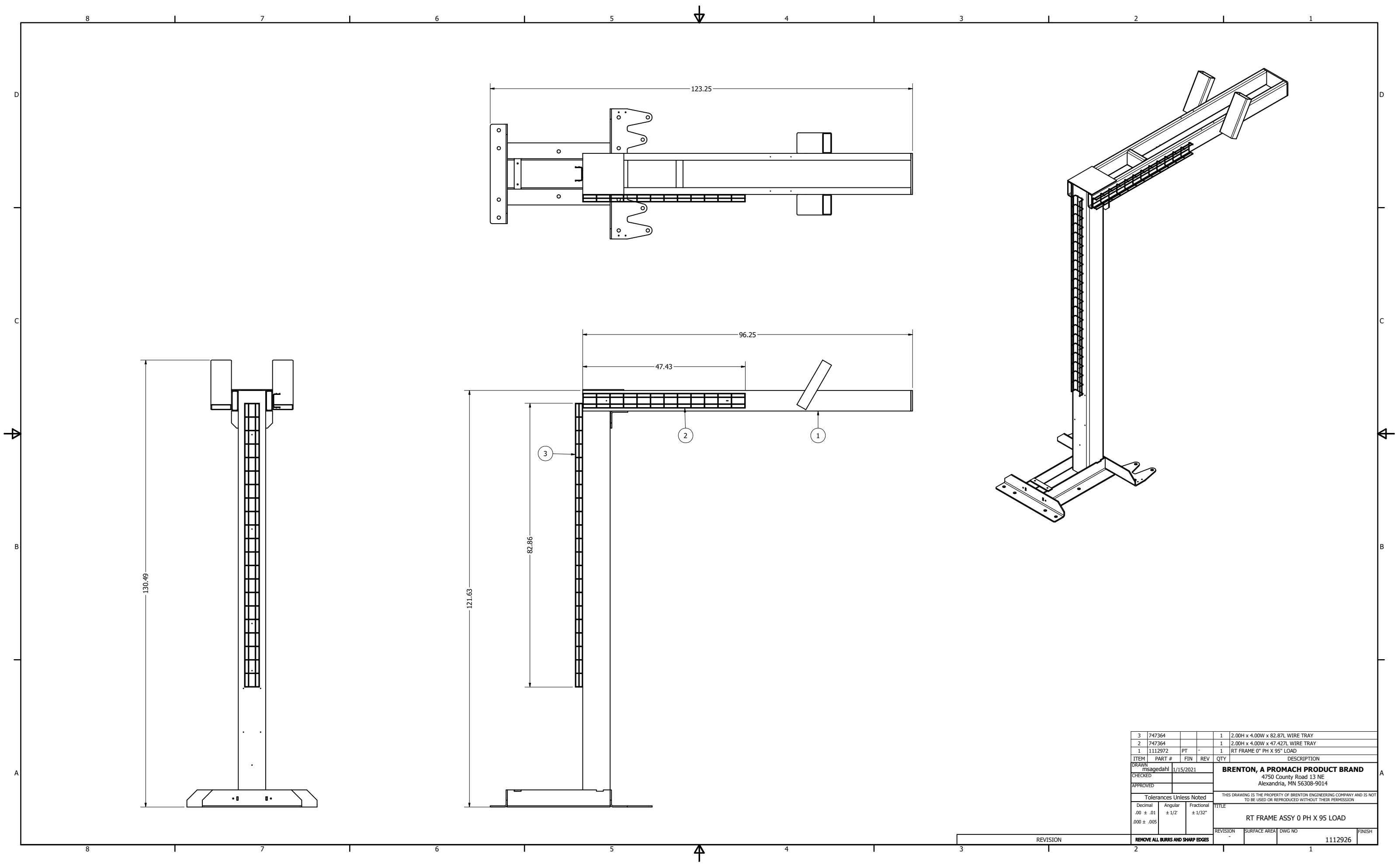
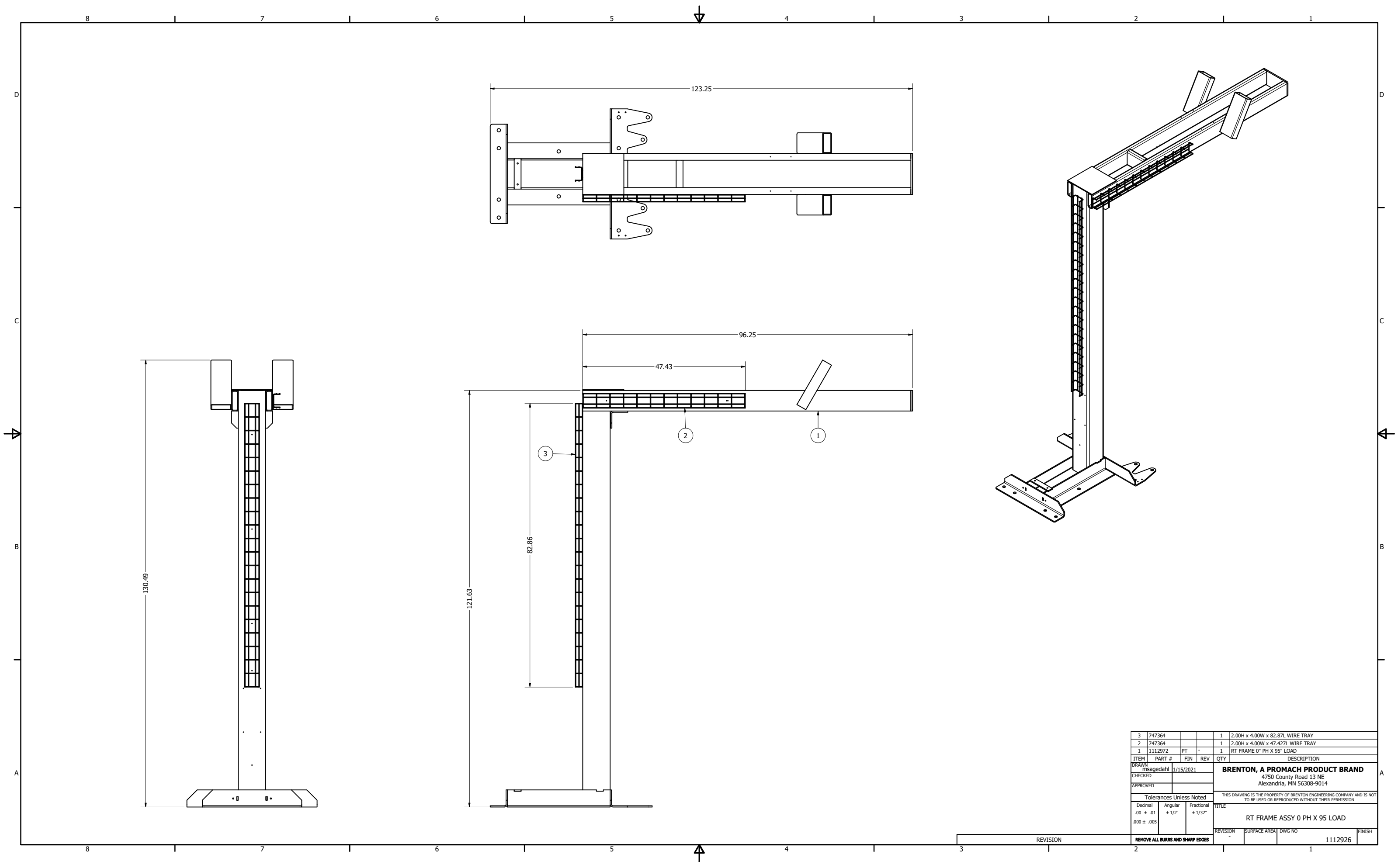
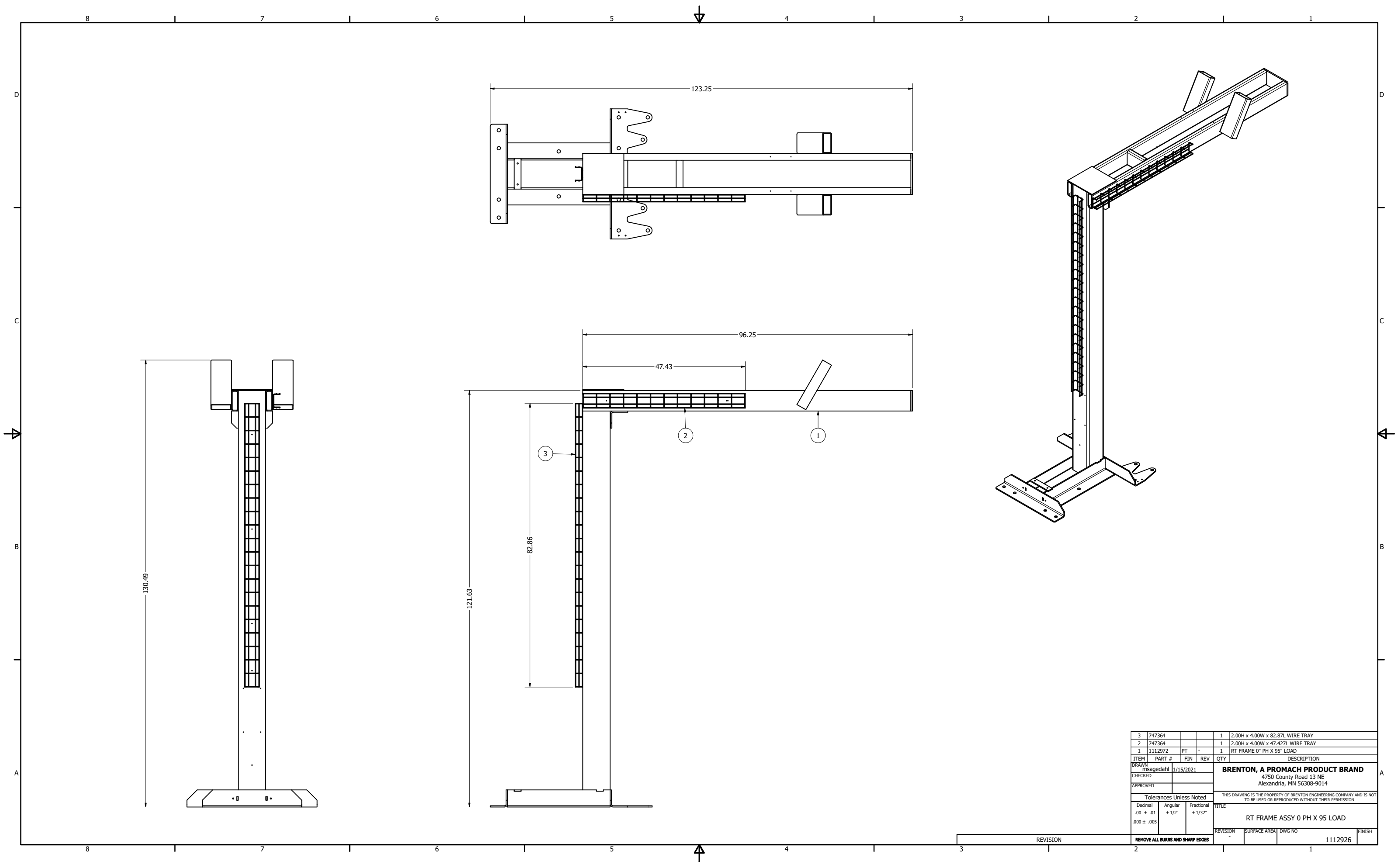
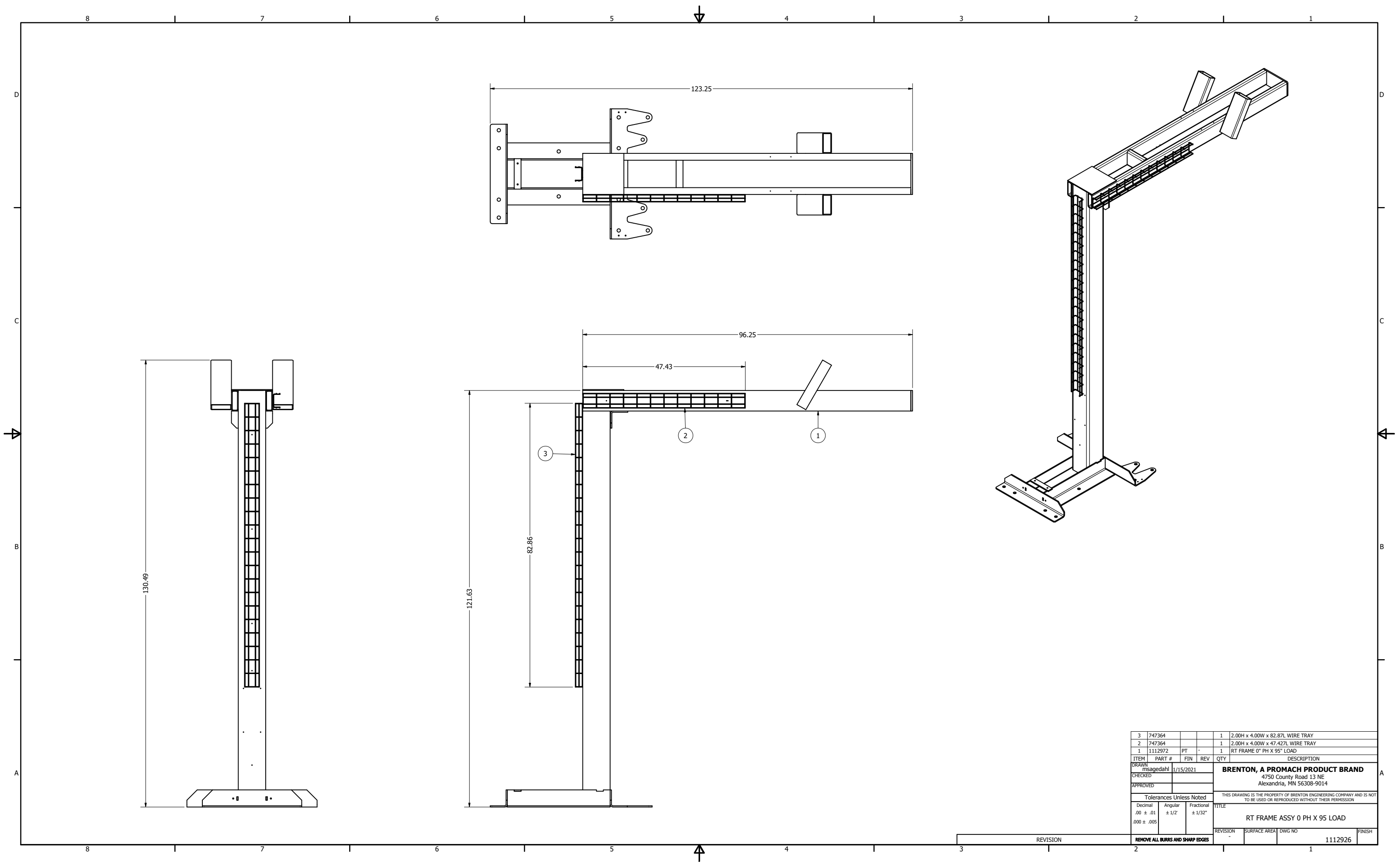




This technical drawing illustrates the RT Frame Assy 0 PH X 95 Load, showing three views: front, side, and isometric. The drawing includes dimensions and a title block.

Dimensions:

- Front View: Overall height is 130.49.
- Side View: Overall height is 121.63. The horizontal distance from the vertical support to the center of the frame is 96.25. The horizontal distance from the vertical support to the center of the load is 47.43. The vertical distance from the base to the center of the load is 82.86.
- Isometric View: Shows the overall structure and the load.

Title Block:

ITEM	PART #	FIN	REV	QTY	DESCRIPTION
3	747364			1	2.00H x 4.00W x 82.87L WIRE TRAY
2	747364			1	2.00H x 4.00W x 47.427L WIRE TRAY
1	1112972	PT	-	1	RT FRAME 0" PH X 95" LOAD

REVISIONS:

REVISION	SURFACE AREA	DWG NO	FINISH
1		1112926	

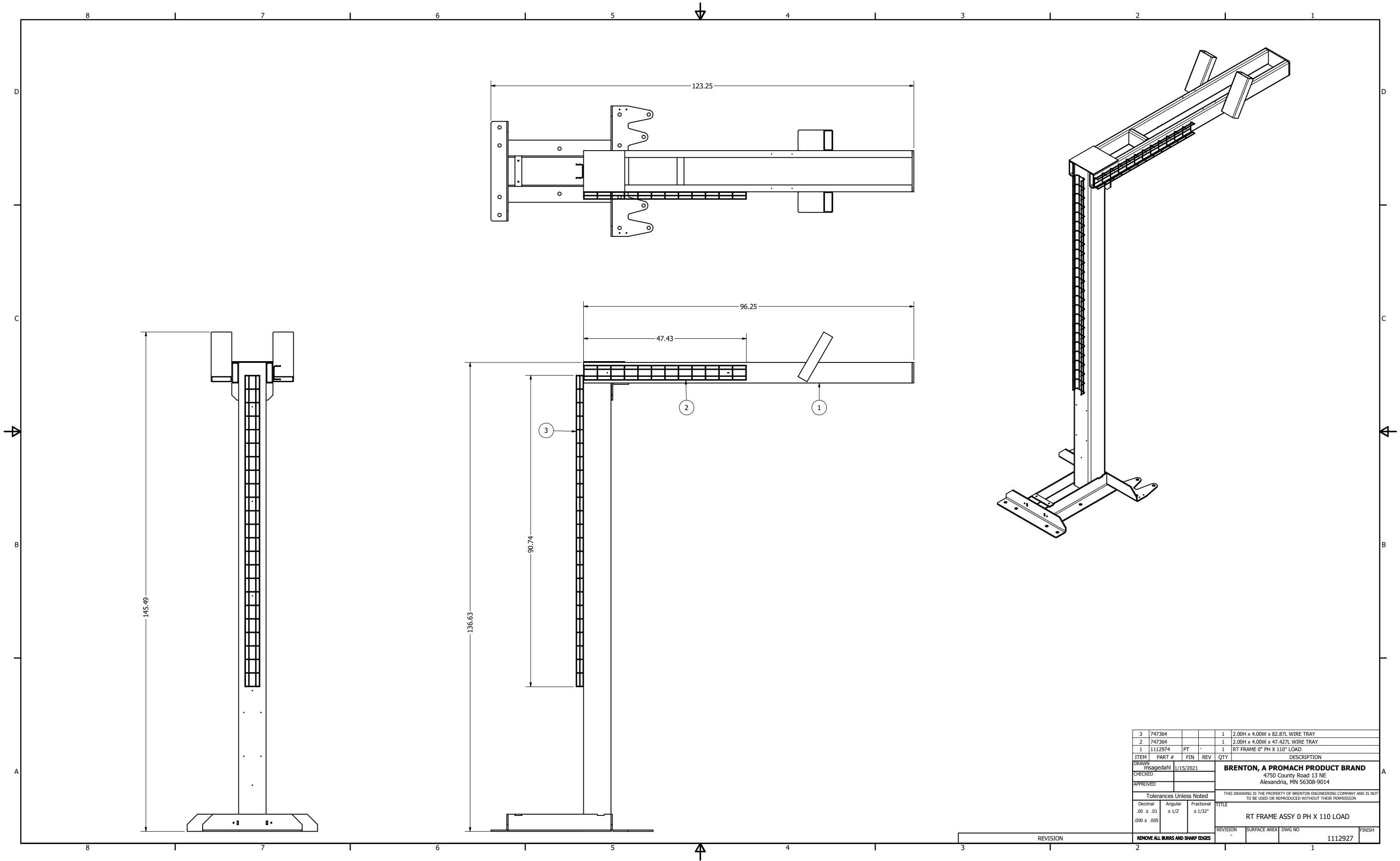
Notes:

- REMOVE ALL BURRS AND SHARP EDGES

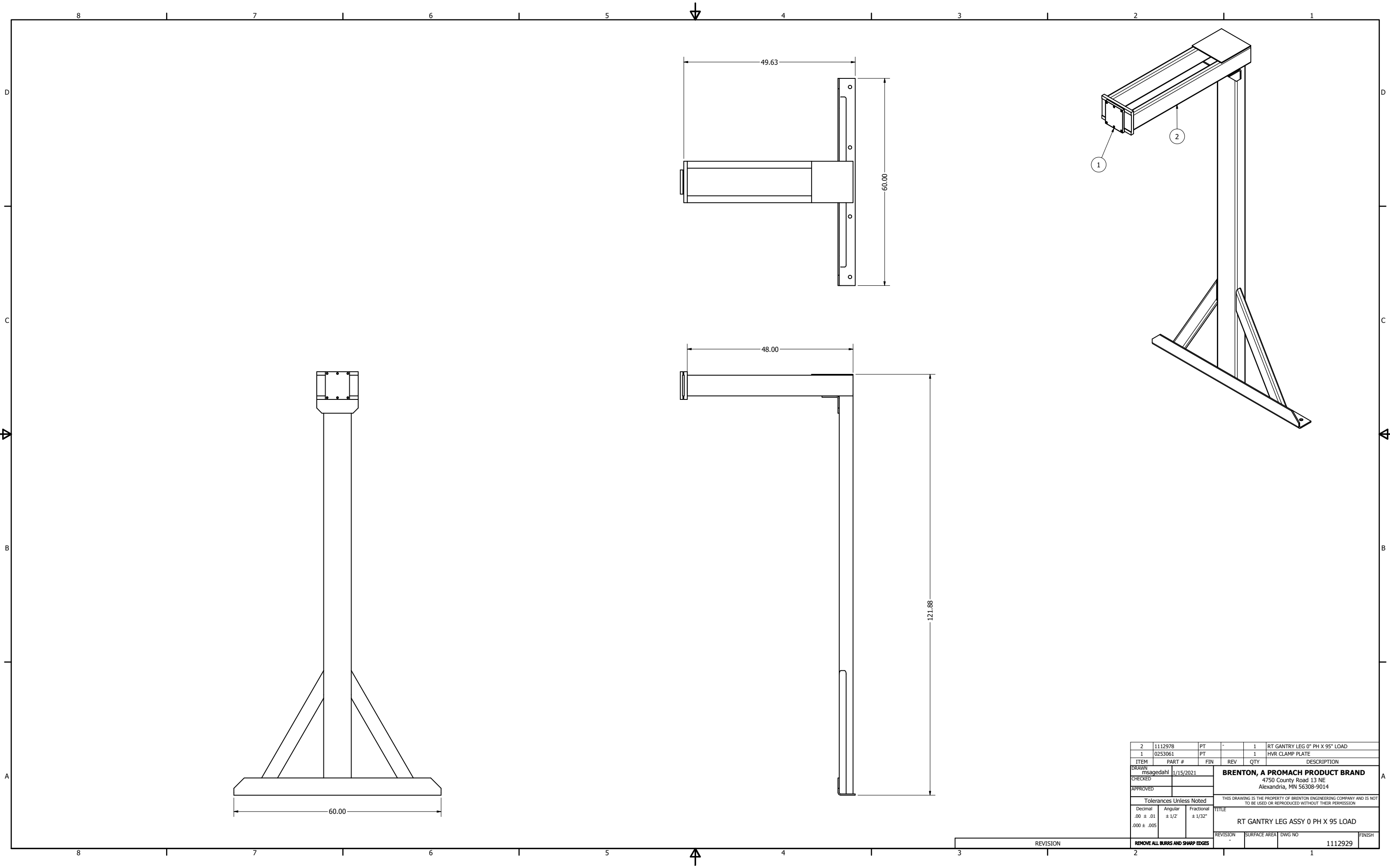
Company Information:

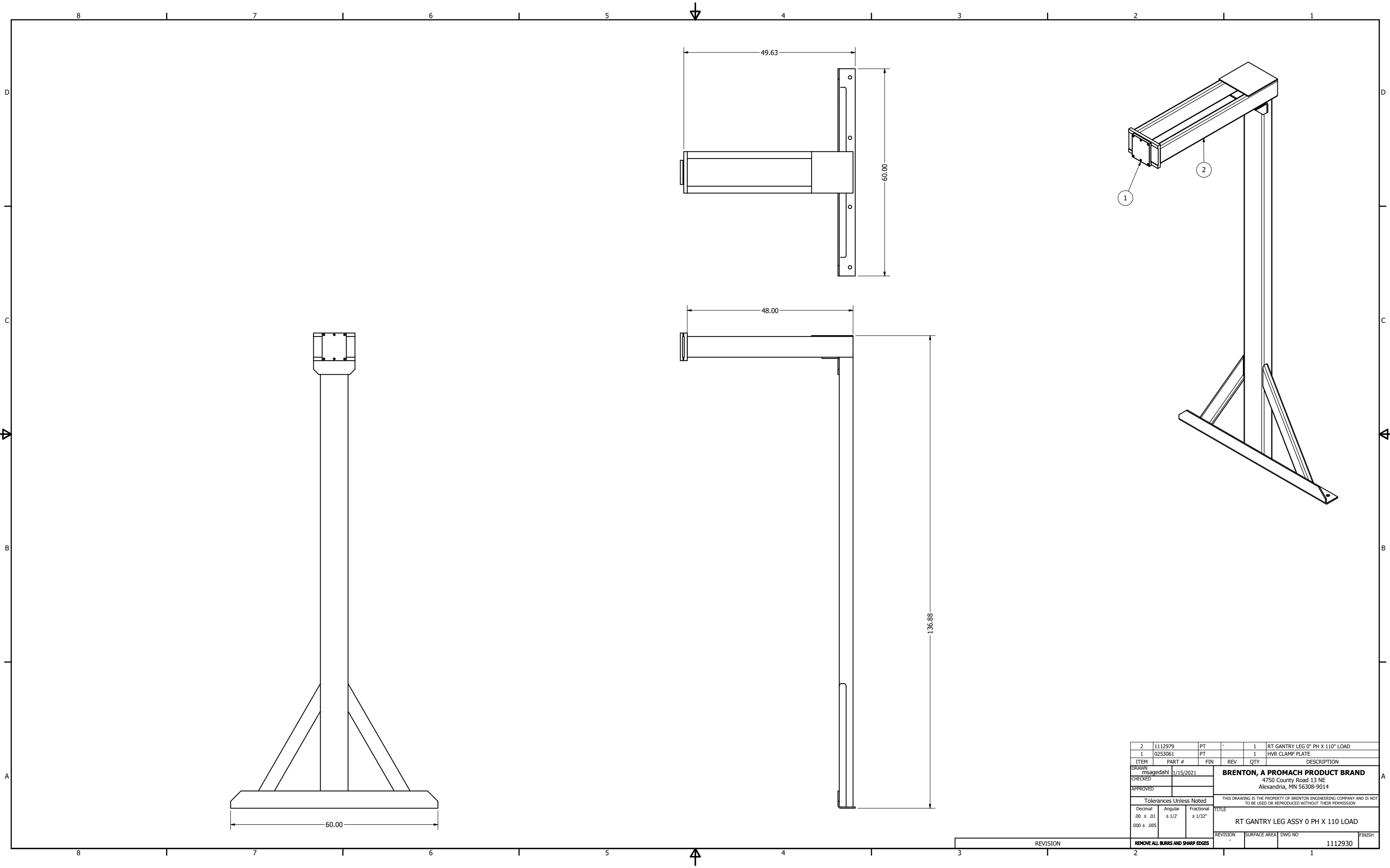
BRENTON, A PROMACH PRODUCT BRAND
4750 County Road 13 NE
Alexandria, MN 56308-9014

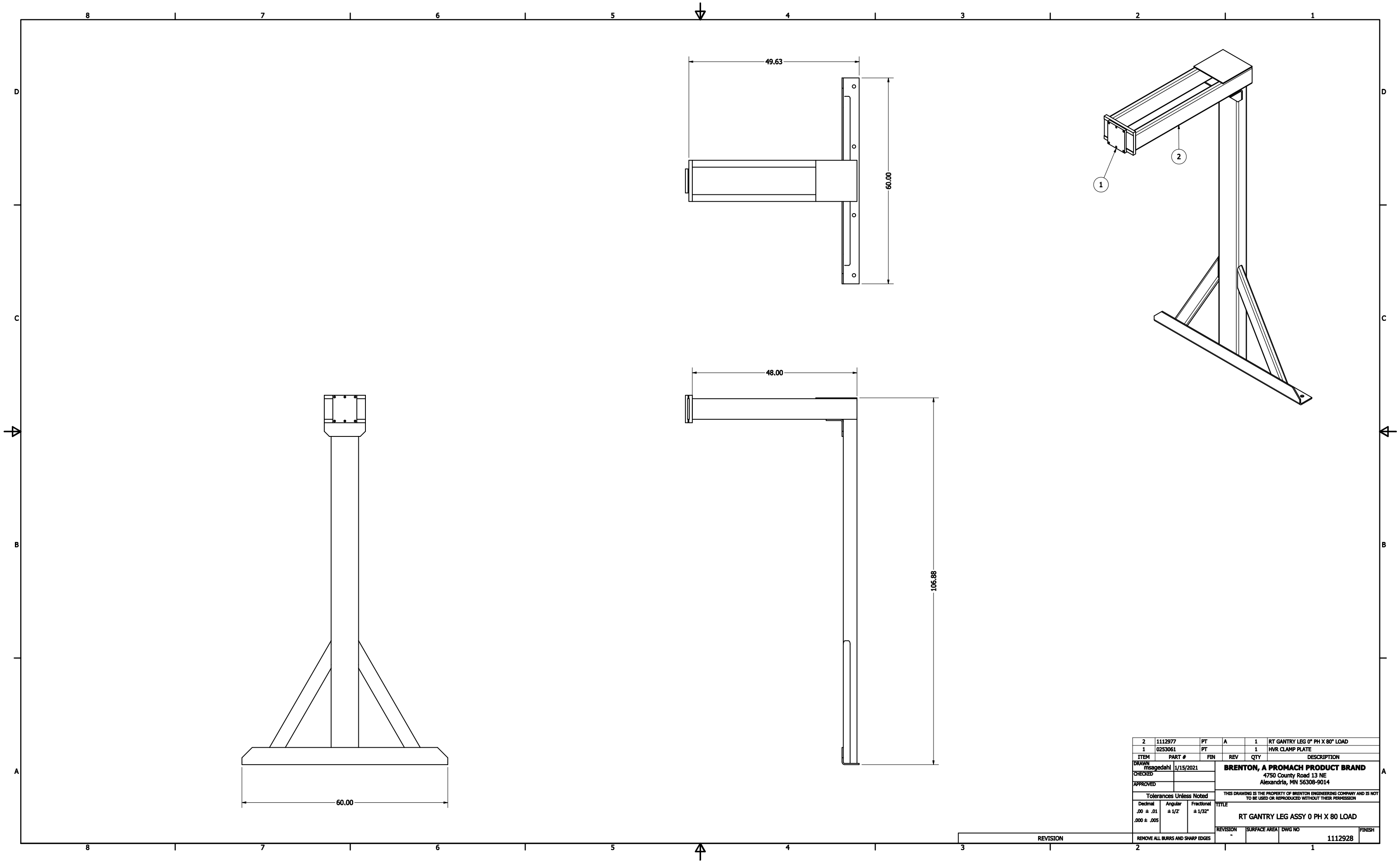
THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION

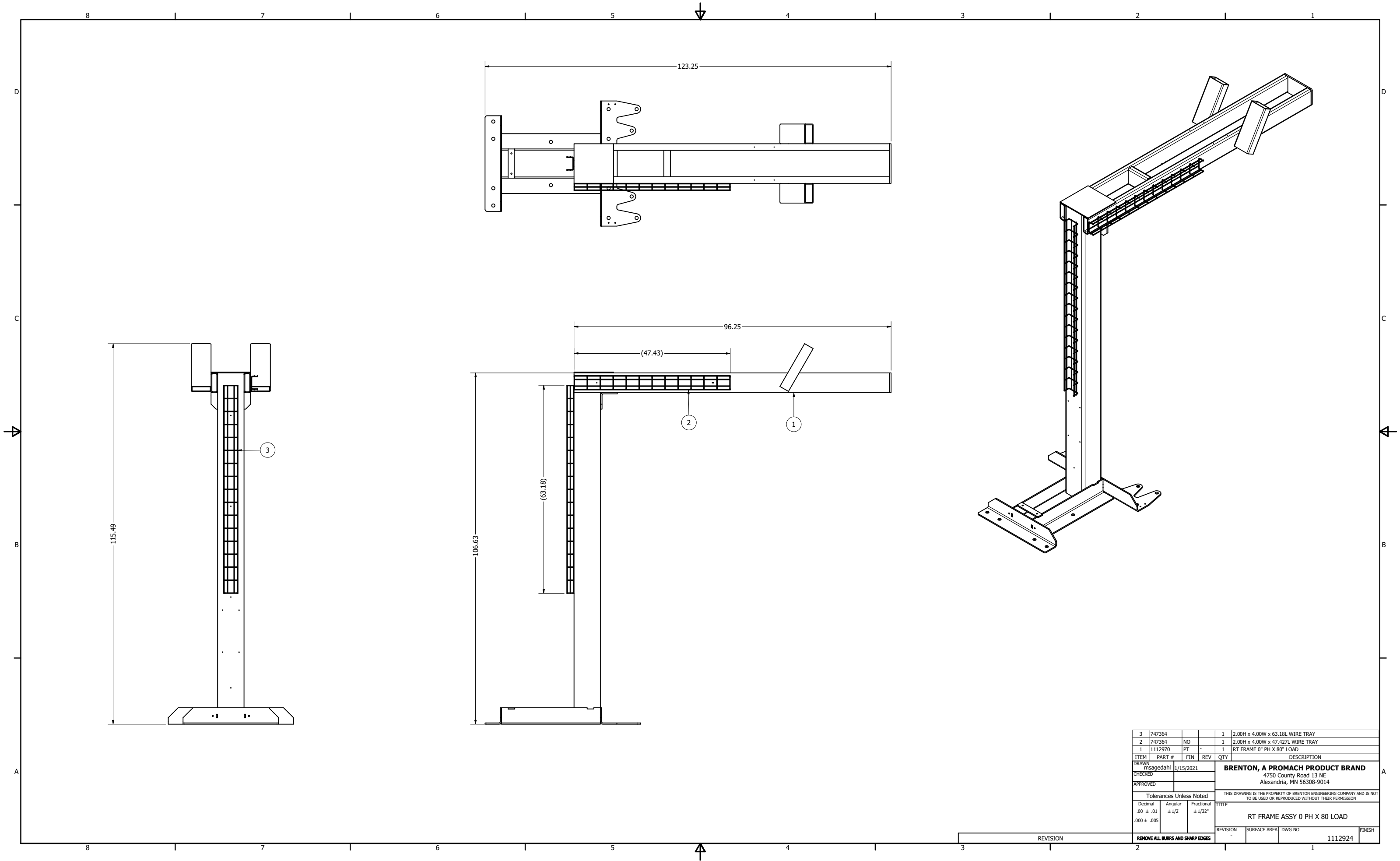


3	747364			1	2.00H x 4.00W x 82.87L WIRE TRAY
2	747364			1	2.00H x 4.00W x 47.427L WIRE TRAY
1	1112974	PT	-	1	RT FRAME 0" PH X 110" LOAD
ITEM	PART #	FIN	REV	QTY	DESCRIPTION
DRAWN	msagedahl			1/15/2021	BRENTON, A PROMACH PRODUCT BRAND 4750 County Road 13 NE Alexandria, MN 56308-9014
CHECKED					
APPROVED					
Tolerances Unless Noted					THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	TITLE RT FRAME ASSY 0 PH X 110 LOAD		
REVISION		SURFACE AREA		DWG NO	FINISH
REMOVE ALL BURRS AND SHARP EDGES					1112927

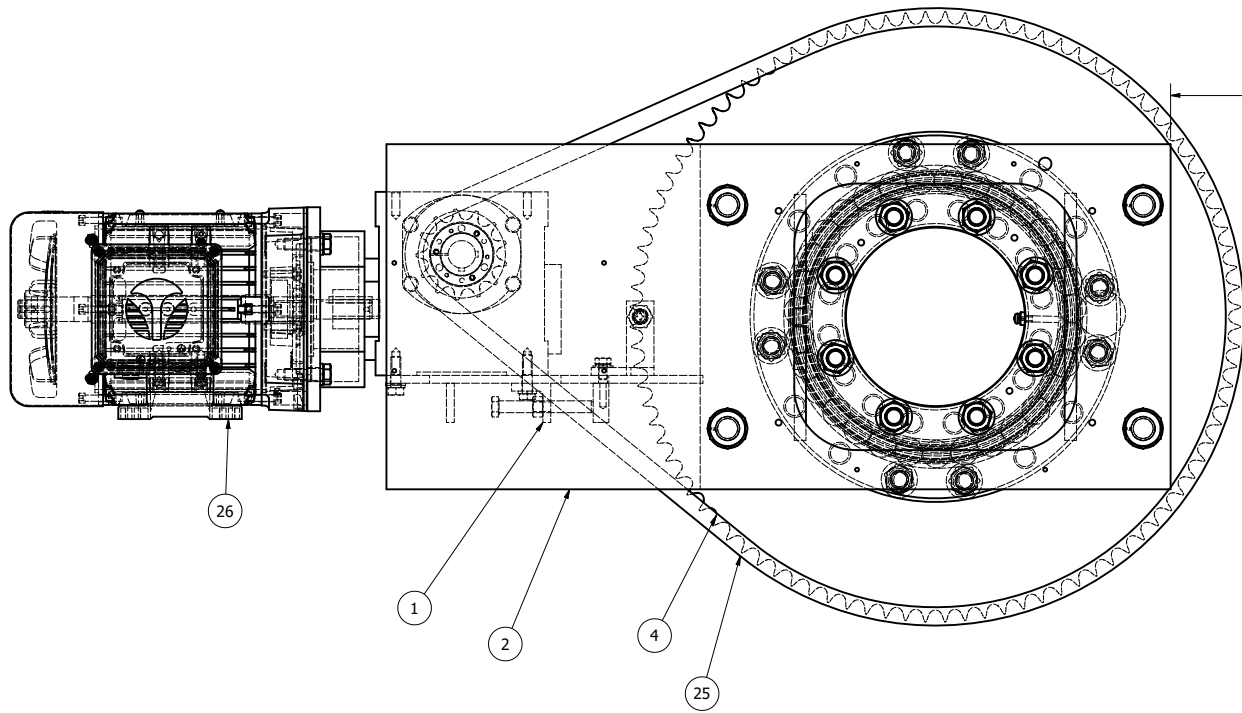
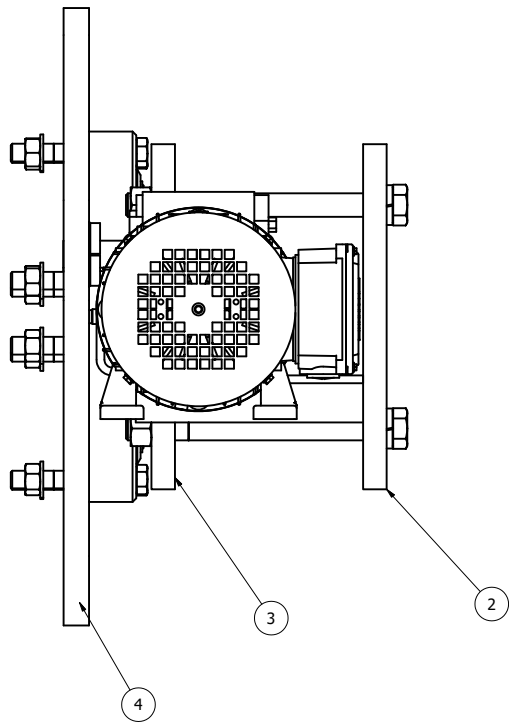




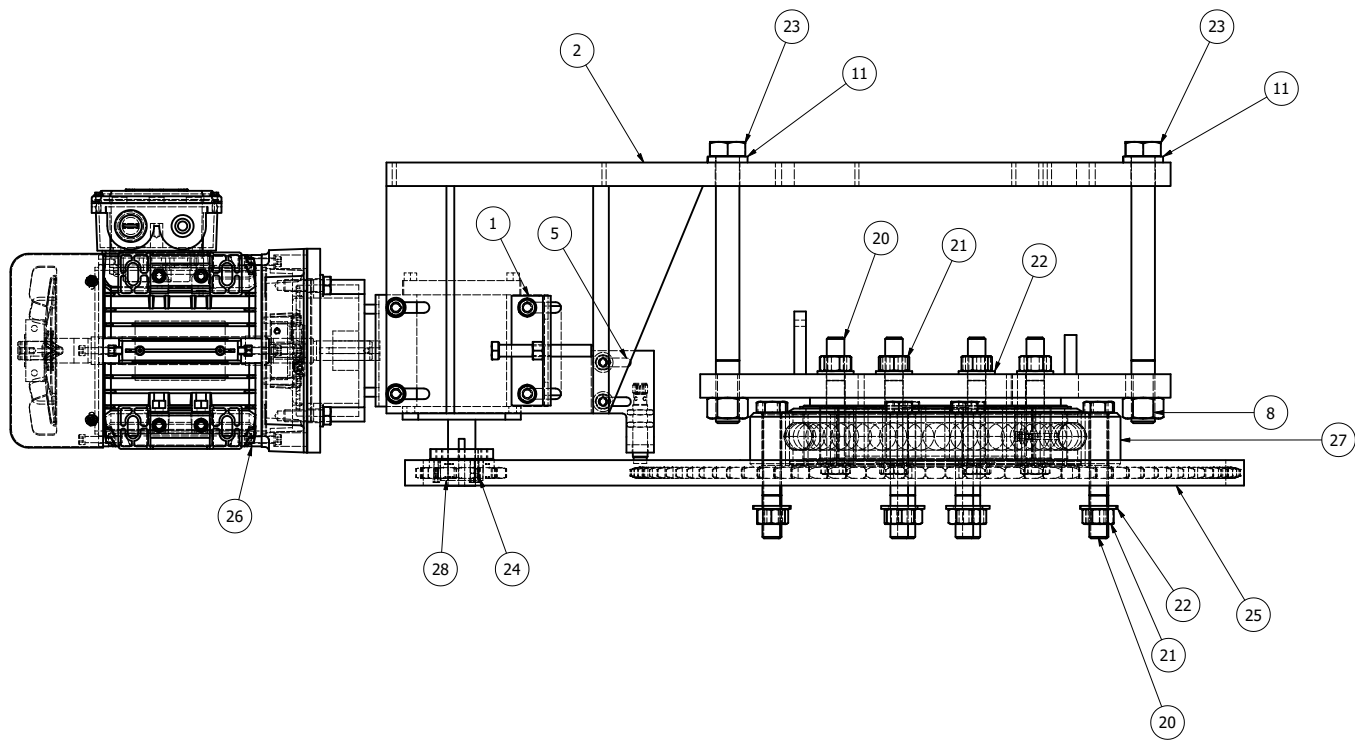
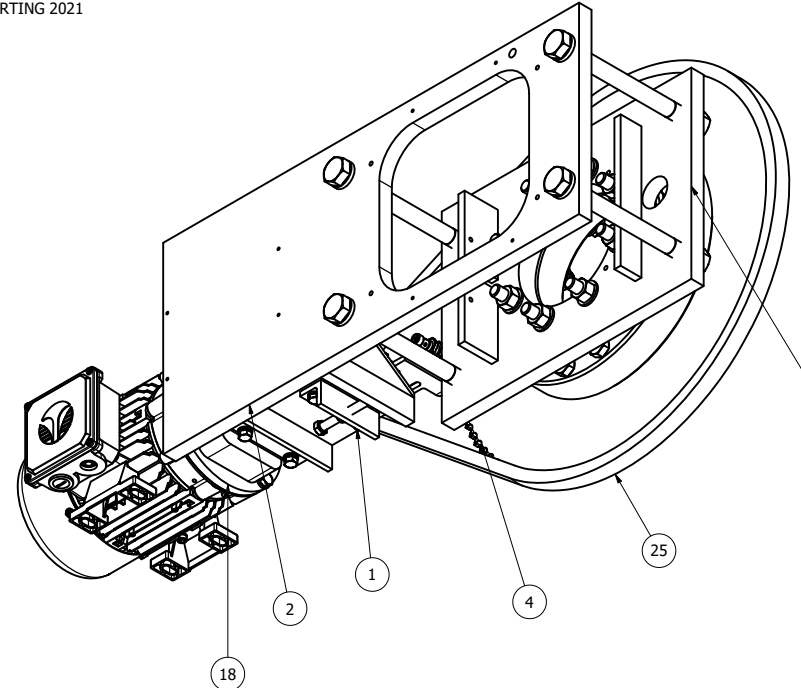




3	747364			1	2.00H x 4.00W x 63.18L WIRE TRAY
2	747364	NO		1	2.00H x 4.00W x 47.427L WIRE TRAY
1	1112970	PT	-	1	RT FRAME 0" PH X 80" LOAD
ITEM	PART #	FIN	REV	QTY	DESCRIPTION
DRAWN	msagedahl			BRENTON, A PROMACH PRODUCT BRAND 4750 County Road 13 NE Alexandria, MN 56308-9014	
CHECKED					
APPROVED					
Tolerances Unless Noted				THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION	
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"		TITLE RT FRAME ASSY 0 PH X 80 LOAD	
REVISION		SURFACE AREA		DWG NO	FINISH
REMOVE ALL BURRS AND SHARP EDGES				1112924	



- 3" TO INSIDE OF FRAME
UNLESS OTHERWISE NOTED
ON MACHINE "BUILD" DRAWING;
- 12" SPACING ON NEW FRAMES
STARTING 2021



RING BEARING MOUNTING INSTRUCTIONS:

1. USE GRADE 8 BOLTS WITH HARDENED WASHERS TO MOUNT THE RING BEARING TO THE MAIN FRAME, AND THE ROTARY ARM TO THE RING BEARING.
2. DO NOT USE LOCK WASHERS WITH THESE BOLTS AND HARD WASHERS.
3. APPLY BLUE LOCTITE #243 GENEROUSLY TO THE BOLT THREADS AND TORQUE BOLTS TO: **140 FT/LBS FOR 9/16" GRADE 8 BOLTS**. THE LOCTITE WILL ACT AS A LUBRICANT TO THE FASTENERS SO THAT THEY CAN BE TORQUED MORE EVENLY.
4. BOLTS SHOULD BE TIGHTENED IN A STAR PATTERN.
5. MARK FASTENERS WITH A PAINT MARKER TO INDICATE THAT THEY HAVE BEEN PROPERLY TORQUED.
6. ONCE A BOLT HAS BEEN TORQUED, IT CAN NOT BE REUSED. IF THE RING BEARING ASSEMBLY IS DIS-ASSEMBLED, ALL THE BOLTS MUST BE REPLACED WITH NEW ONES.

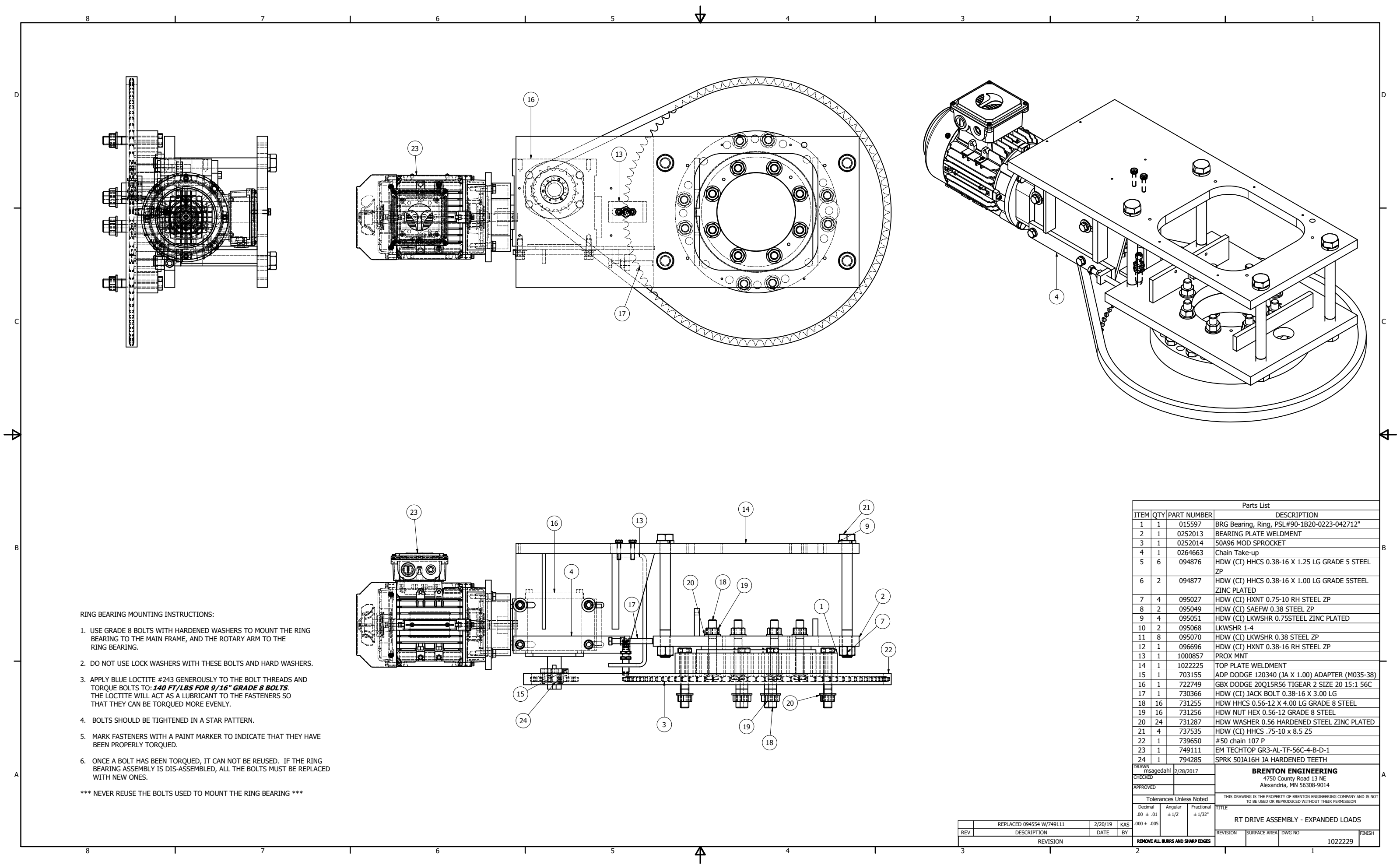
*** NEVER REUSE THE BOLTS USED TO MOUNT THE RING BEARING ***

28	1	794287	ADP DODGE 120338 (JA X 0.88) ADAPTER
27	1	754095	BRG LILY MTO-145 SLEWING RING 222.5MM
26	1	753651	EM TECHTOP CB3-AL-TF-56C-4-B-D-1
25	1	739650	#50 chain 107 P
24	1	737674	SPRK 50JA13H
23	4	737535	HDW (CI) HHCS .75-10 x 8.5 Z5
22	24	731287	HDW WASHER 0.56 HARDENED STEEL ZINC PLATED
21	16	731256	HDW NUT HEX 0.56-12 GRADE 8 STEEL
20	16	731255	HDW HHCS 0.56-12 X 4.00 LG GRADE 8 STEEL
19	1	730366	HDW (CI) JACK BOLT 0.38-16 X 3.00 LG
18	1	718673	GBX DODGE 17Q15R56 TIGEAR 2 SIZE 17 15:1 56
17	1	096696	HDW (CI) HXNT 0.38-16 RH STEEL ZP
16	2	095094	HDW (CI) HHCS 0.25-20 X 0.50 LG STEEL ZP
15	4	095070	HDW (CI) LKWSHR 0.38 STEEL ZP
14	4	095069	HDW (CI) LKWSHR 0.31 STEEL ZINC PLATED
13	2	095068	LKWSHR 1-4
12	2	095053	HDW (CI) HHCS 0.31-18 X 1.25 LG GRADE 5
11	4	095051	HDW (CI) LKWSHR 0.75STEEL ZINC PLATED
10	2	095048	HDW (CI) SAEFW 0.31MAX THICKNESS STEELZINC PLATED
9	2	095047	HDW (CI) SAEFW 0.25MAX THICKNESS STEEL
8	4	095027	HDW (CI) HXNT 0.75-10 RH STEEL ZP
7	2	094998	HDW (CI) HHCS 0.31-18 X 1.00 LG GRADE 5STEEL ZINC PLATED
6	4	094876	HDW (CI) HHCS 0.38-16 X 1.25 LG GRADE 5 STEEL ZP
5	1	0396607	RT TOOTH COUNT PROX MNT
4	1	0252014	50A96 MOD SPROCKET
3	1	0252013	BEARING PLATE WELDMENT
2	1	0252012	TOP PLATE
1	1	0252007	CHAIN TIGHTENER

ITEM	QTY	PART NUMBER	DESCRIPTION
Parts List			
DRAWN		3/1/2016	BRENTON ENGINEERING 4750 County Road 13 NE Alexandria, MN 56308-9014
CHECKED			
APPROVED			
Tolerances Unless Noted			THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION
Decimal	Angular	Fractional	
.00 ± .01 .000 ± .005	± 1/2°	± 1/32"	
TITLE			RT DRIVE ASSEMBLY - 12 RPM
REVISION	SURFACE AREA	DWG NO	FINISH
C		0399050	

REV	DESCRIPTION	DATE	BY
C	REPLACED 749111 W/753651; UPDATED FRAME SPACING NOTE FOR 2021 FRAMES	1/12/21	KAS
B	REPLACED 015597 WITH 754095	7/21/20	MKS
A	REPLACED 094554 W/749111; REMOVED 0323673; UPDATED DIMENSION NOTES FOR MOUNTING TO FRAME	2/19/19	KAS

REMOVE ALL BURRS AND SHARP EDGES

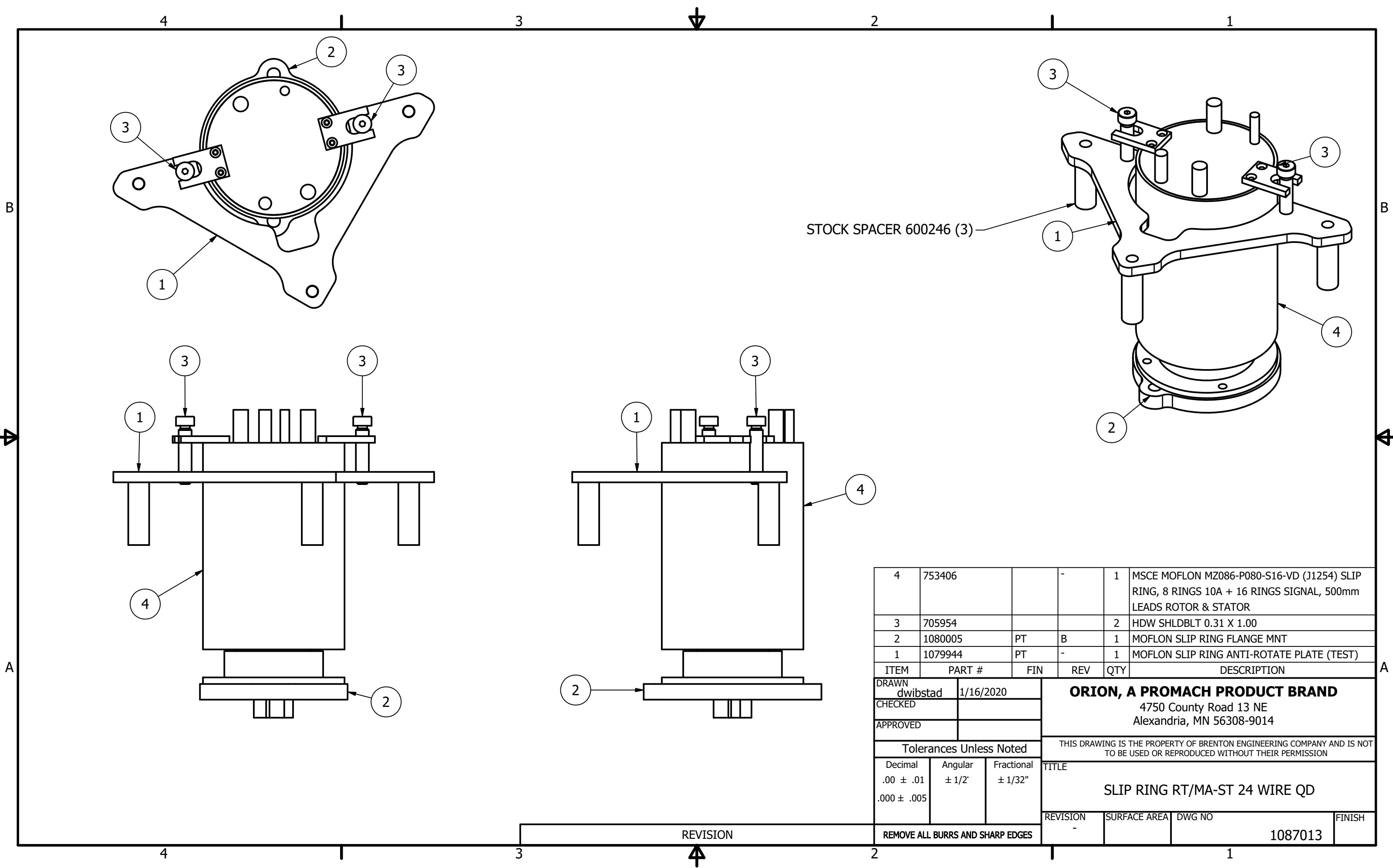


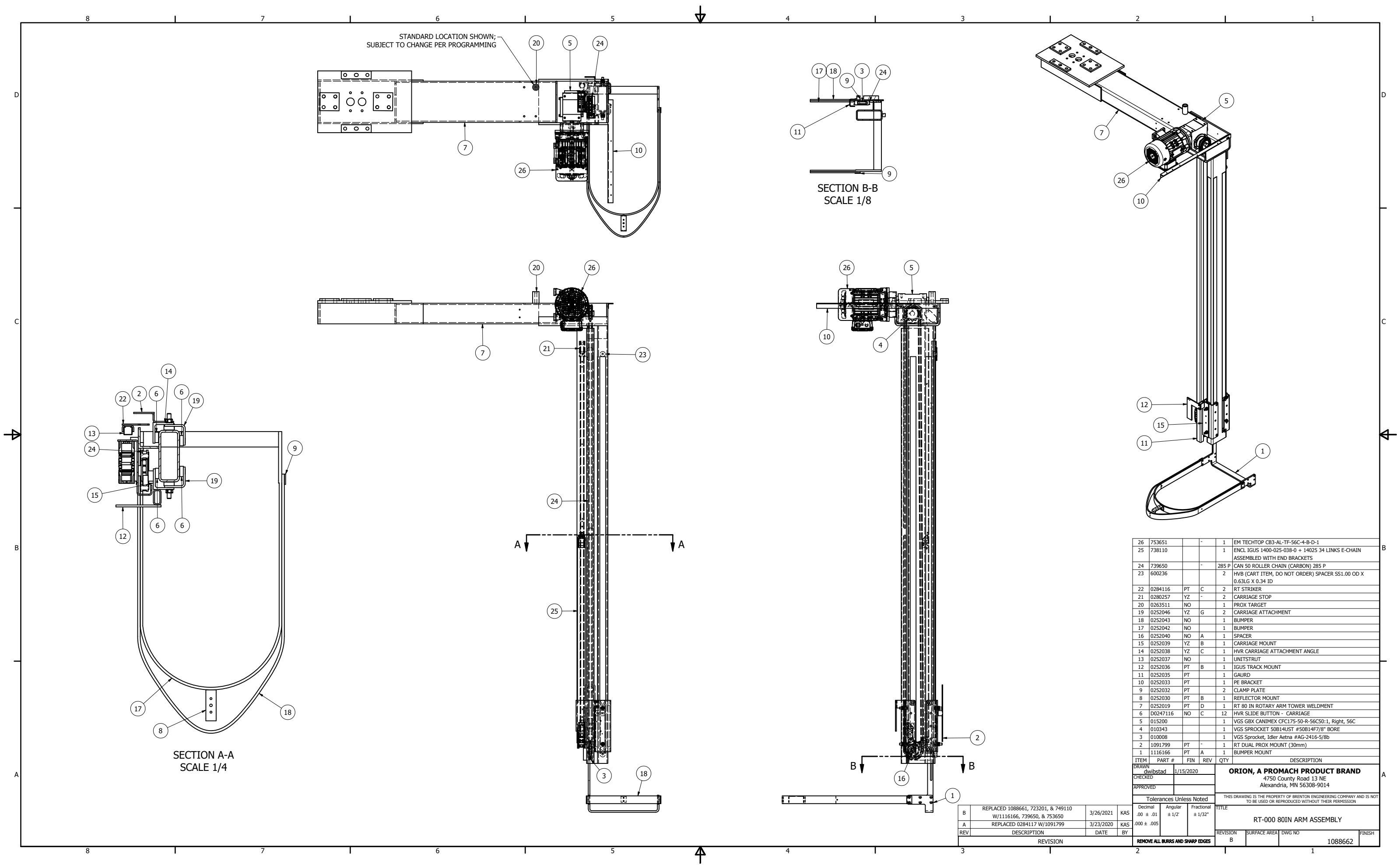
RING BEARING MOUNTING INSTRUCTIONS:

1. USE GRADE 8 BOLTS WITH HARDENED WASHERS TO MOUNT THE RING BEARING TO THE MAIN FRAME, AND THE ROTARY ARM TO THE RING BEARING.
2. DO NOT USE LOCK WASHERS WITH THESE BOLTS AND HARD WASHERS.
3. APPLY BLUE LOCTITE #243 GENEROUSLY TO THE BOLT THREADS AND TORQUE BOLTS TO: **140 FT/LBS FOR 9/16" GRADE 8 BOLTS**. THE LOCTITE WILL ACT AS A LUBRICANT TO THE FASTENERS SO THAT THEY CAN BE TORQUED MORE EVENLY.
4. BOLTS SHOULD BE TIGHTENED IN A STAR PATTERN.
5. MARK FASTENERS WITH A PAINT MARKER TO INDICATE THAT THEY HAVE BEEN PROPERLY TORQUED.
6. ONCE A BOLT HAS BEEN TORQUED, IT CAN NOT BE REUSED. IF THE RING BEARING ASSEMBLY IS DIS-ASSEMBLED, ALL THE BOLTS MUST BE REPLACED WITH NEW ONES.

*** NEVER REUSE THE BOLTS USED TO MOUNT THE RING BEARING ***

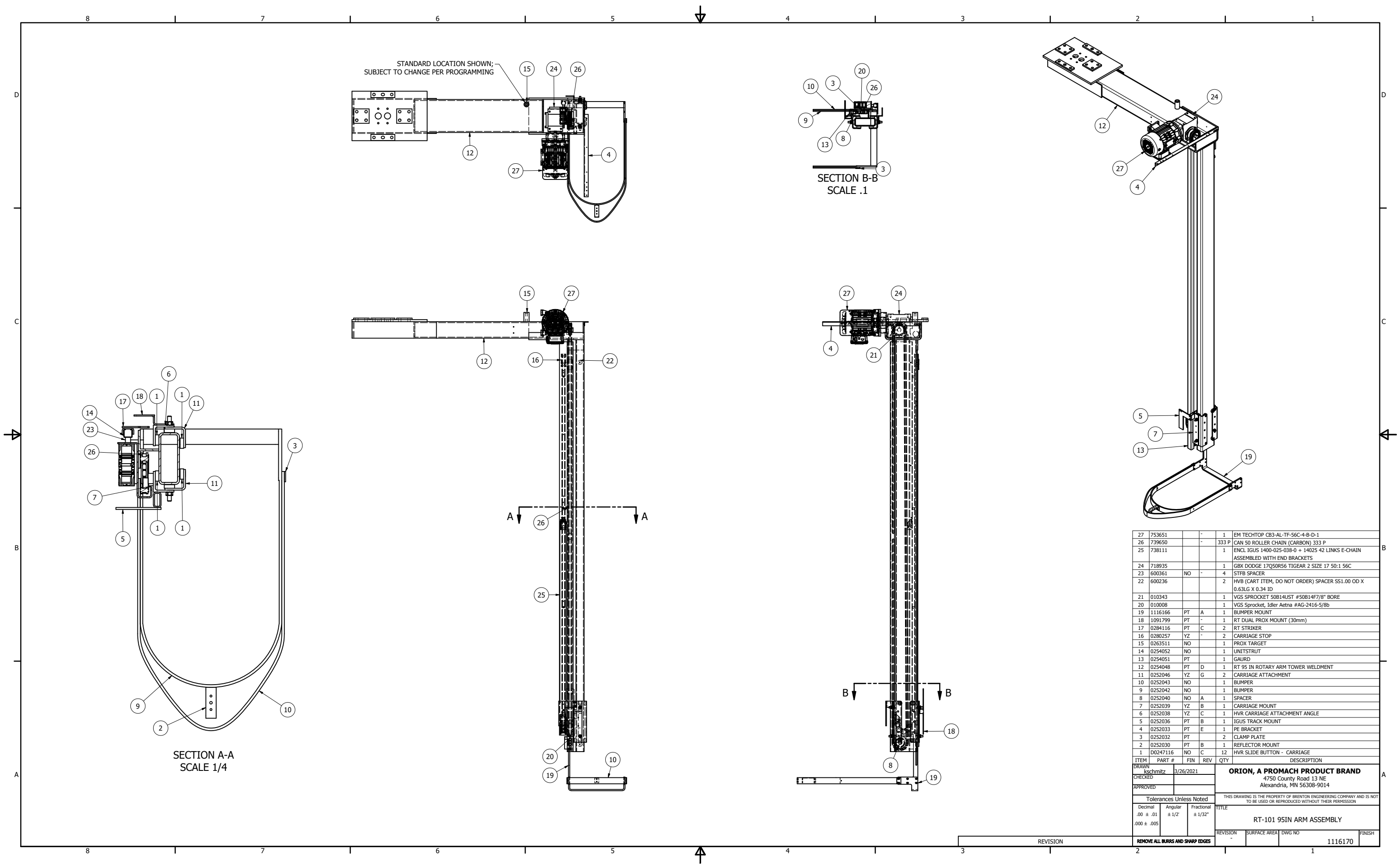
Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	015597	BRG Bearing, Ring, PSL#90-1B20-0223-042712"	
2	1	0252013	BEARING PLATE WELDMENT	
3	1	0252014	50A96 MOD SPROCKET	
4	1	0264663	Chain Take-up	
5	6	094876	HDW (CI) HHCS 0.38-16 X 1.25 LG GRADE 5 STEEL ZP	
6	2	094877	HDW (CI) HHCS 0.38-16 X 1.00 LG GRADE 5STEEL ZINC PLATED	
7	4	095027	HDW (CI) HXNT 0.75-10 RH STEEL ZP	
8	2	095049	HDW (CI) SAEFW 0.38 STEEL ZP	
9	4	095051	HDW (CI) LKWSHR 0.75STEEL ZINC PLATED	
10	2	095068	LKWSHR 1-4	
11	8	095070	HDW (CI) LKWSHR 0.38 STEEL ZP	
12	1	096696	HDW (CI) HXNT 0.38-16 RH STEEL ZP	
13	1	1000857	PROX MNT	
14	1	1022225	TOP PLATE WELDMENT	
15	1	703155	ADP DODGE 120340 (JA X 1.00) ADAPTER (M035-38)	
16	1	722749	GBX DODGE 20Q15R56 TIGEAR 2 SIZE 20 15:1 56C	
17	1	730366	HDW (CI) JACK BOLT 0.38-16 X 3.00 LG	
18	16	731255	HDW HHCS 0.56-12 X 4.00 LG GRADE 8 STEEL	
19	16	731256	HDW NUT HEX 0.56-12 GRADE 8 STEEL	
20	24	731287	HDW WASHER 0.56 HARDENED STEEL ZINC PLATED	
21	4	737535	HDW (CI) HHCS .75-10 x 8.5 Z5	
22	1	739650	#50 chain 107 P	
23	1	749111	EM TECHTOP GR3-AL-TF-56C-4-B-D-1	
24	1	794285	SPRK 50JA16H JA HARDENED TEETH	
DRAWN		ITSagedahl	2/28/2017	BRENTON ENGINEERING 4750 County Road 13 NE Alexandria, MN 56308-9014
CHECKED				
APPROVED				
Tolerances Unless Noted				THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION
Decimal	Angular	Fractional	TITLE	
.00 ± .01	± 1/2"	± 1/32"	RT DRIVE ASSEMBLY - EXPANDED LOADS	
.000 ± .005			REVISION	SURFACE AREA
REVISION		DWG NO		FINISH
REMOVED ALL BURRS AND SHARP EDGES		1022229		





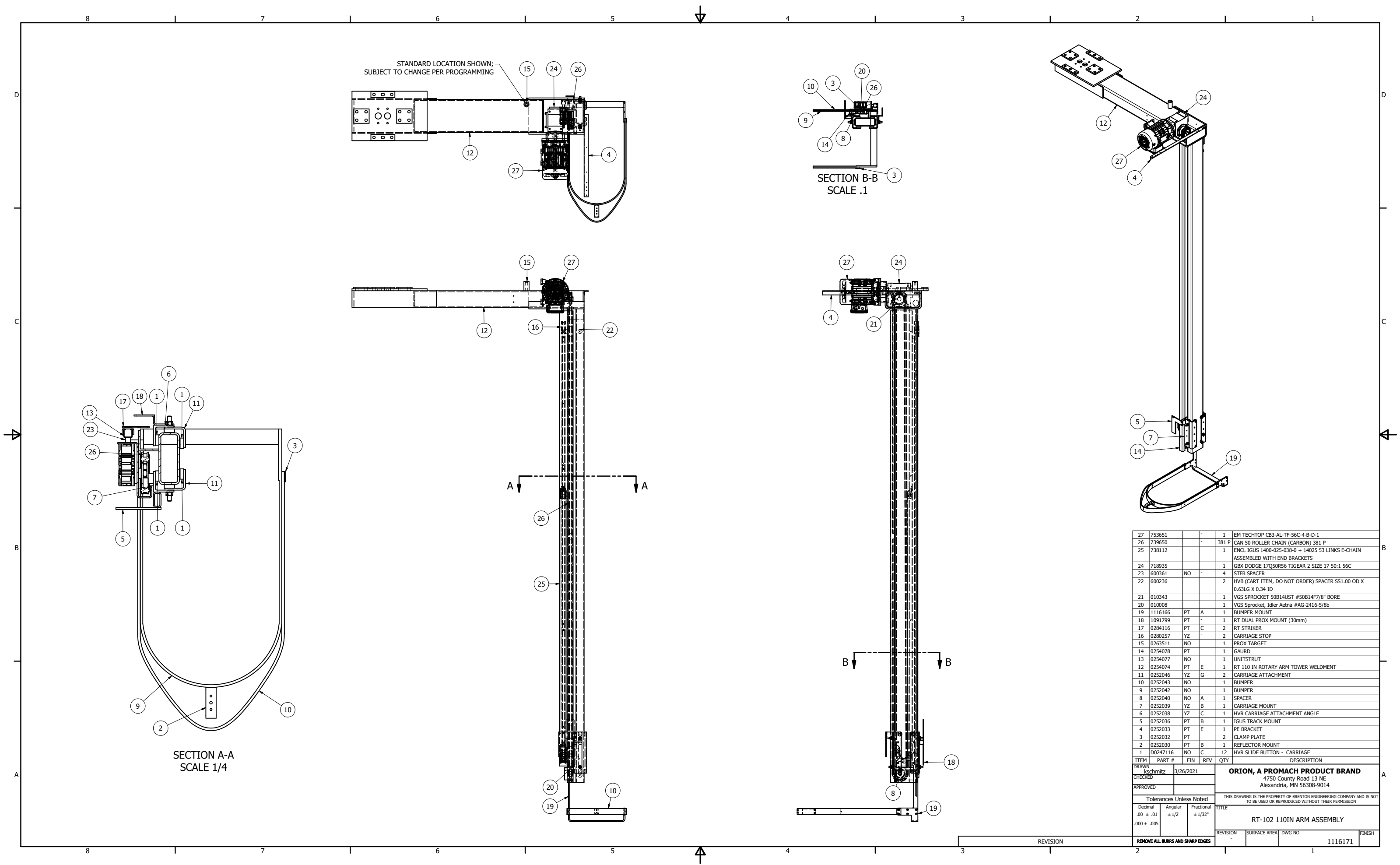
26	753651		-	1	EM TECHTOP CB3-AL-TF-56C-4-B-D-1
25	738110			1	ENCL IGUS 1400-025-038-0 + 14025 34 LINKS E-CHAIN ASSEMBLED WITH END BRACKETS
24	739650		-	285 P	CAN 50 ROLLER CHAIN (CARBON) 285 P
23	600236			2	HVB (CART ITEM, DO NOT ORDER) SPACER SS1.00 OD X 0.63LG X 0.34 ID
22	0284116	PT	C	2	RT STRIKER
21	0280257	YZ	-	2	CARRIAGE STOP
20	0263511	NO		1	PROX TARGET
19	0252046	YZ	G	2	CARRIAGE ATTACHMENT
18	0252043	NO		1	BUMPER
17	0252042	NO		1	BUMPER
16	0252040	NO	A	1	SPACER
15	0252039	YZ	B	1	CARRIAGE MOUNT
14	0252038	YZ	C	1	HVR CARRIAGE ATTACHMENT ANGLE
13	0252037	NO		1	UNITSTRUT
12	0252036	PT	B	1	IGUS TRACK MOUNT
11	0252035	PT		1	GAURD
10	0252033	PT		1	PE BRACKET
9	0252032	PT		2	CLAMP PLATE
8	0252030	PT	B	1	REFLECTOR MOUNT
7	0252019	PT	D	1	RT 80 IN ROTARY ARM TOWER WELDMENT
6	D0247116	NO	C	12	HVR SLIDE BUTTON - CARRIAGE
5	015200			1	VGS GBX CANIMEX CFC175-50-R-56C50:1, Right, 56C
4	010343			1	VGS SPROCKET 50B14UST #50B14F7/8" BORE
3	010008			1	VGS Sprocket, Idler Aetna #AG-2416-5/8b
2	1091799	PT	-	1	RT DUAL PROX MOUNT (30mm)
1	1116166	PT	A	1	BUMPER MOUNT

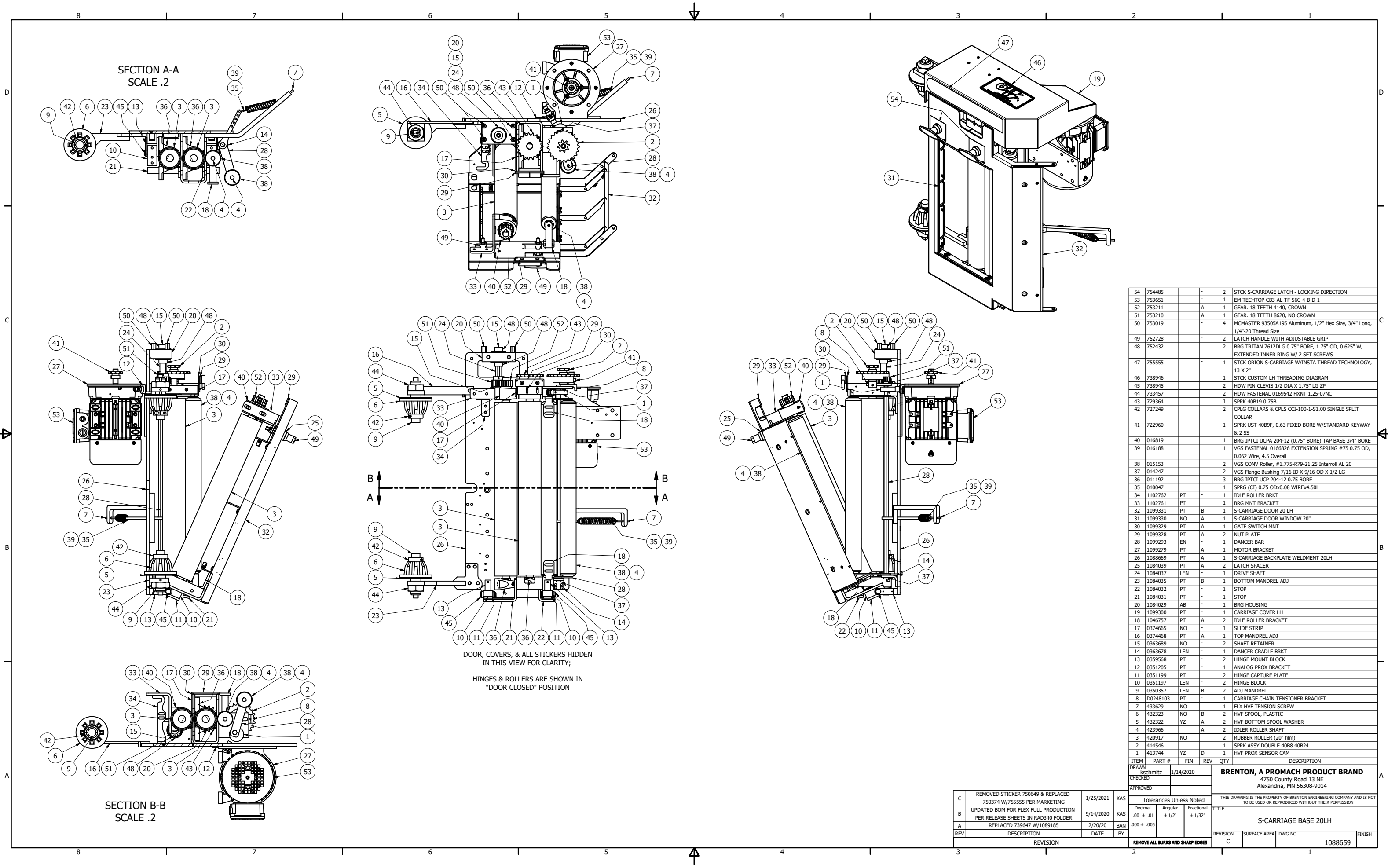
ITEM	PART #	FIN	REV	QTY	DESCRIPTION
DRAWN	dwibstad		1/15/2020		
CHECKED					
APPROVED					
Tolerances Unless Noted					THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION
Decimal	Fractional	Angular	Fractional	TITLE	
.00 ± .01	± 1/2"	± 1/2"	± 1/32"	RT-000 80IN ARM ASSEMBLY	
.000 ± .005				REVISION	
REVISION	B	SURFACE AREA	DWG NO	1088662	FINISH

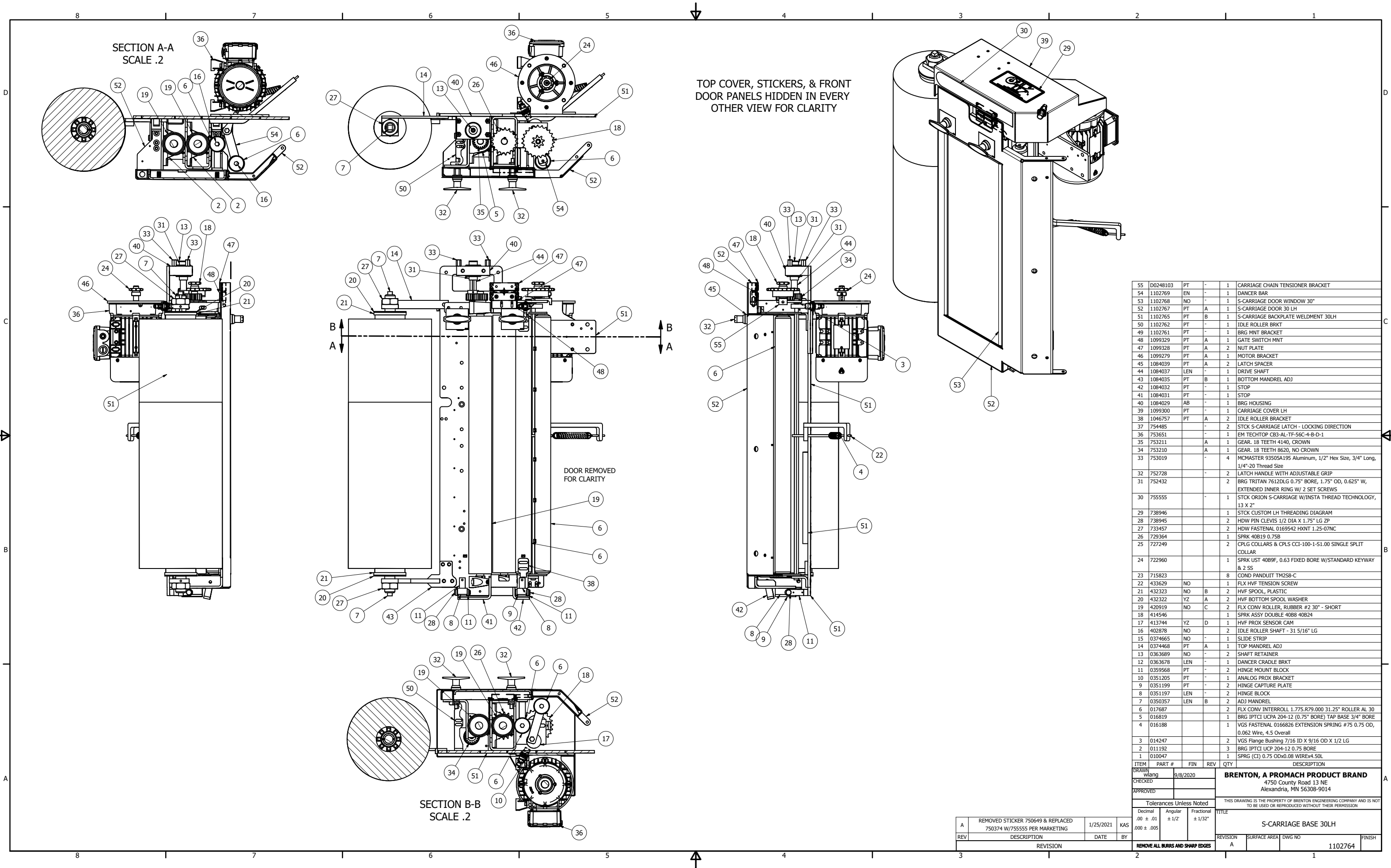


27	753651		-	1	EM TECHTOP CB3-AL-TF-56C-4-B-D-1
26	739650		-	333 P	CAN 50 ROLLER CHAIN (CARBON) 333 P
25	738111			1	ENCL IGUS 1400-025-038-0 + 14025 42 LINKS E-CHAIN ASSEMBLED WITH END BRACKETS
24	718935			1	GBX DODGE 17Q50R56 TIGEAR 2 SIZE 17 50:1 56C
23	600361	NO	-	4	STFB SPACER
22	600236			2	HVB (CART ITEM, DO NOT ORDER) SPACER SS1.00 OD X 0.63LG X 0.34 ID
21	010343			1	VGS SPROCKET 50B14UST #50B14F7/8" BORE
20	010008			1	VGS Sprocket, Idler Aetna #AG-2416-5/8b
19	1116166	PT	A	1	BUMPER MOUNT
18	1091799	PT	-	1	RT DUAL PROX MOUNT (30mm)
17	0284116	PT	C	2	RT STRIKER
16	0280257	YZ	-	2	CARRIAGE STOP
15	0263511	NO		1	PROX TARGET
14	0254052	NO		1	UNITSTRUT
13	0254051	PT		1	GAURD
12	0254048	PT	D	1	RT 95 IN ROTARY ARM TOWER WELDMENT
11	0252046	YZ	G	2	CARRIAGE ATTACHMENT
10	0252043	NO		1	BUMPER
9	0252042	NO		1	BUMPER
8	0252040	NO	A	1	SPACER
7	0252039	YZ	B	1	CARRIAGE MOUNT
6	0252038	YZ	C	1	HVR CARRIAGE ATTACHMENT ANGLE
5	0252036	PT	B	1	IGUS TRACK MOUNT
4	0252033	PT	E	1	PE BRACKET
3	0252032	PT		2	CLAMP PLATE
2	0252030	PT	B	1	REFLECTOR MOUNT
1	D0247116	NO	C	12	HVR SLIDE BUTTON - CARRIAGE
ITEM	PART #	FIN	REV	QTY	DESCRIPTION

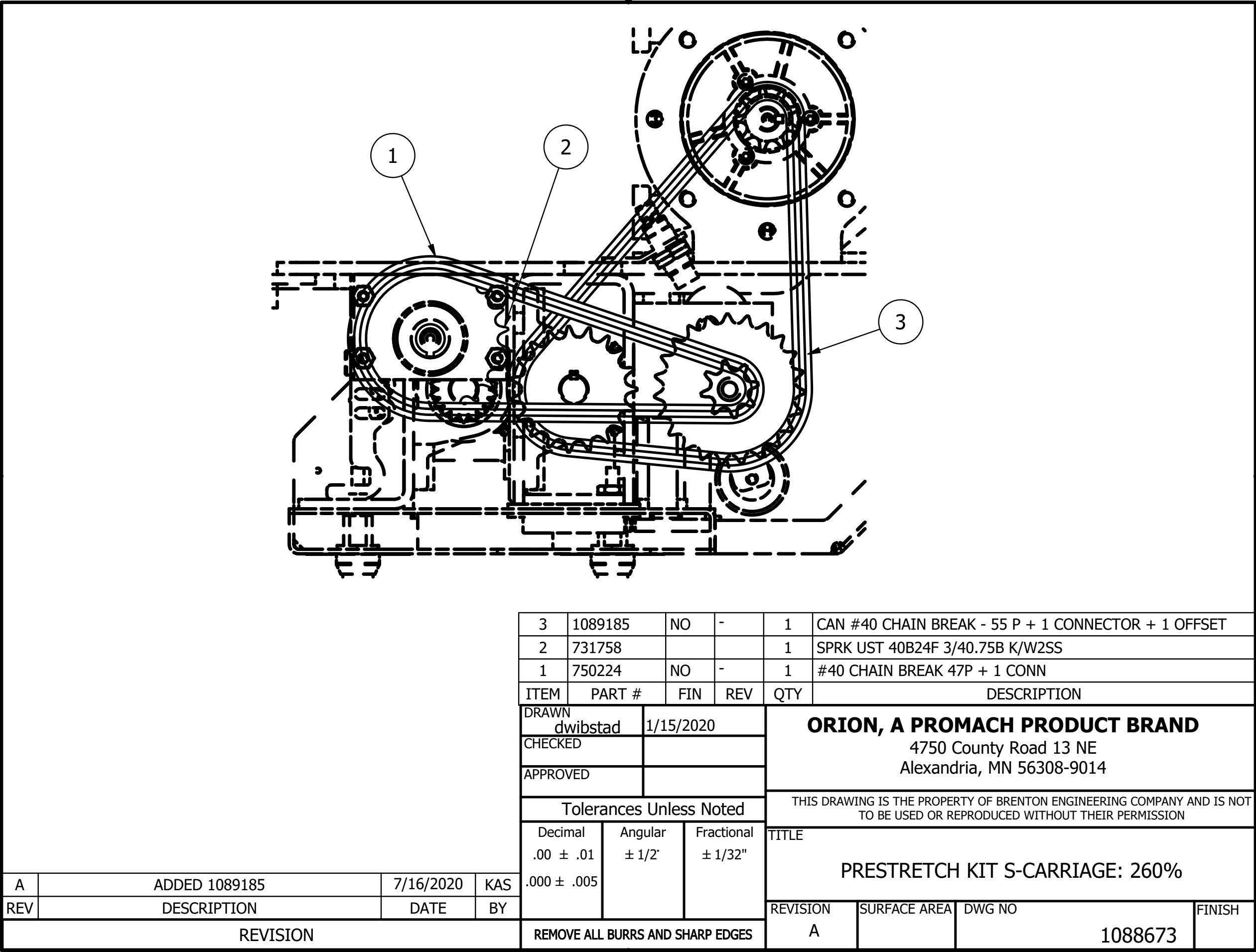
DRAWN	kschmitz	3/26/2021	ORION, A PROMACH PRODUCT BRAND 4750 County Road 13 NE Alexandria, MN 56308-9014		
CHECKED					
APPROVED					
Tolerances Unless Noted			THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION		
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	TITLE RT-101 95IN ARM ASSEMBLY		
REVISION	SURFACE AREA	DWG NO	1116170	FINISH	

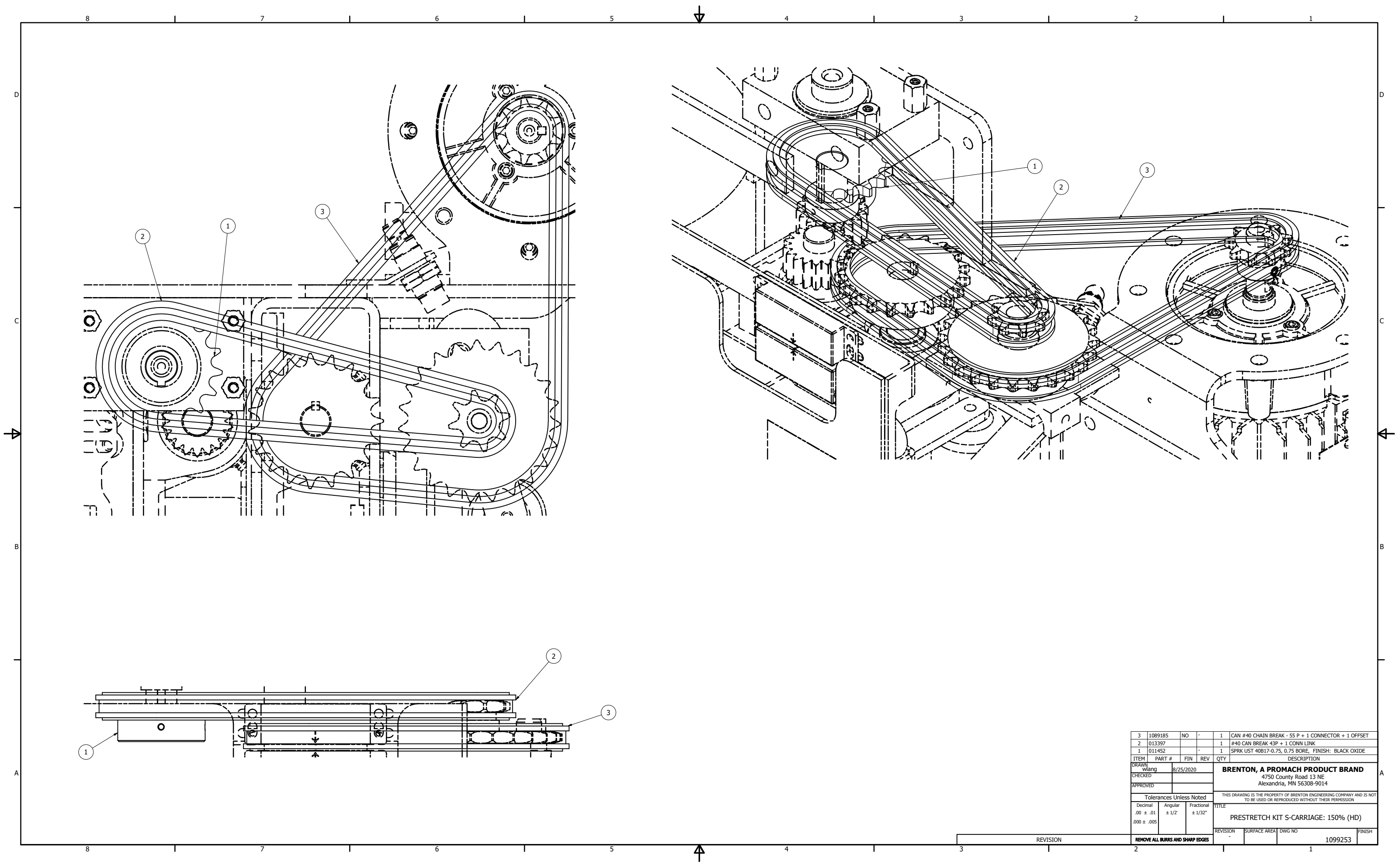




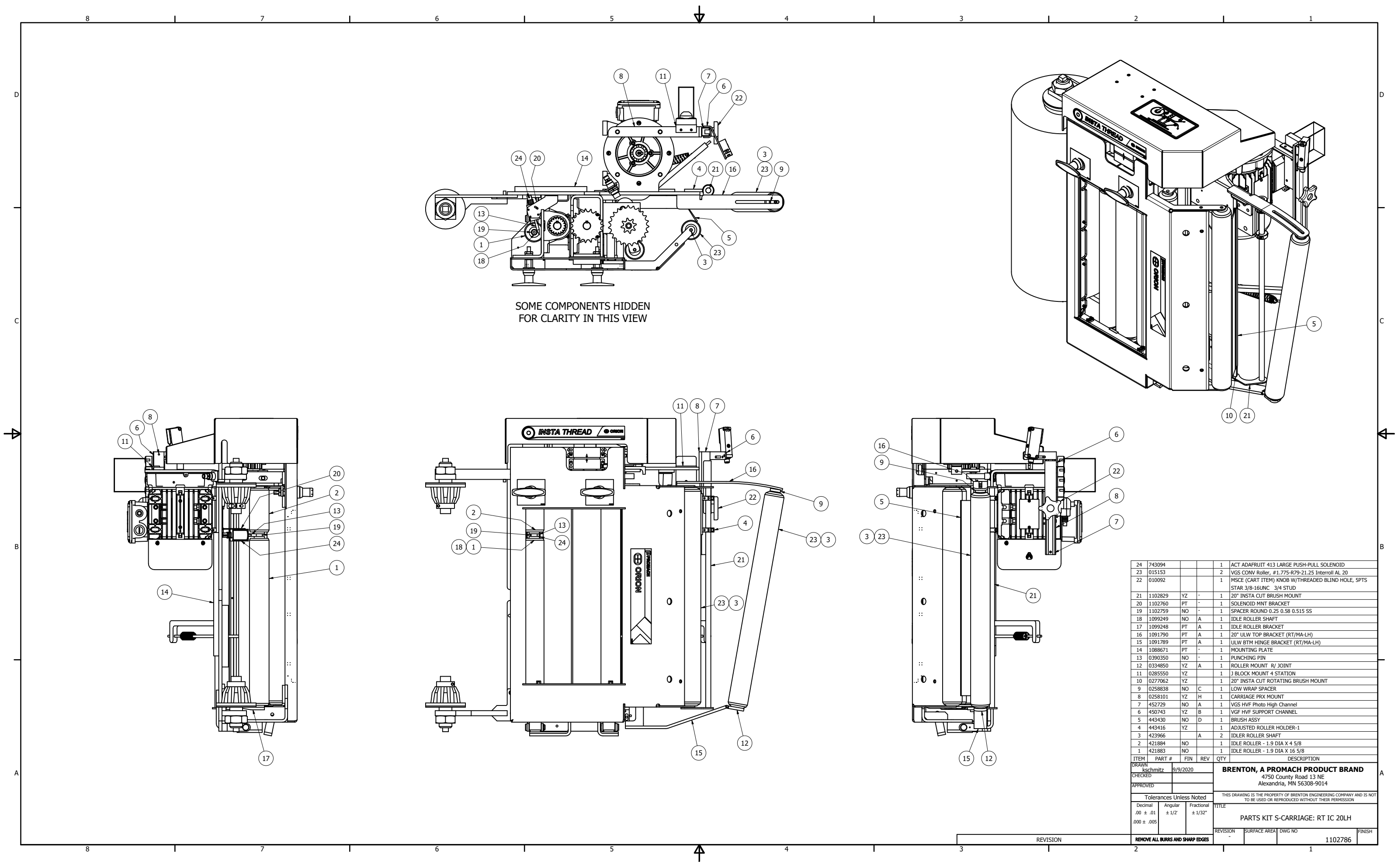


55	D0248103	PT	-	1	CARRIAGE CHAIN TENSIONER BRACKET
54	1102769	EN	-	1	DANCER BAR
53	1102768	NO	-	1	S-CARRIAGE DOOR WINDOW 30"
52	1102767	PT	A	1	S-CARRIAGE DOOR 30 LH
51	1102765	PT	B	1	S-CARRIAGE BACKPLATE WELDMENT 30LH
50	1102762	PT	-	1	IDLE ROLLER BRKT
49	1102761	PT	-	1	BRG MNT BRACKET
48	1099329	PT	A	1	GATE SWITCH MNT
47	1099328	PT	A	2	NUT PLATE
46	1099279	PT	A	1	MOTOR BRACKET
45	1084039	PT	A	2	LATCH SPACER
44	1084037	LEN	-	1	DRIVE SHAFT
43	1084035	PT	B	1	BOTTOM MANDREL ADJ
42	1084032	PT	-	1	STOP
41	1084031	PT	-	1	STOP
40	1084029	AB	-	1	BRG HOUSING
39	1099300	PT	-	1	CARRIAGE COVER LH
38	1046757	PT	A	2	IDLE ROLLER BRACKET
37	754485	-	2	STCK S-CARRIAGE LATCH - LOCKING DIRECTION	
36	753651	-	1	EM TECHTOP CB3-AL-TF-56C-4-B-D-1	
35	753211	A	1	GEAR. 18 TEETH 4140, CROWN	
34	753210	A	1	GEAR. 18 TEETH 8620, NO CROWN	
33	753019	-	4	MCMASTER 93505A195 Aluminum, 1/2" Hex Size, 3/4" Long, 1/4"-20 Thread Size	
32	752728	-	2	LATCH HANDLE WITH ADJUSTABLE GRIP	
31	752432	-	2	BRG TRITAN 7612DLG 0.75" BORE, 1.75" OD, 0.625" W, EXTENDED INNER RING W/ 2 SET SCREWS	
30	755555	-	1	STCK ORION S-CARRIAGE W/INSTA THREAD TECHNOLOGY, 13 X 2"	
29	738946	-	1	STCK CUSTOM LH THREADING DIAGRAM	
28	738945	-	2	HDW PIN CLEVIS 1/2 DIA X 1.75" LG ZP	
27	733457	-	2	HDW FASTENAL 0169542 HXNT 1.25-07NC	
26	729364	-	1	SPRK 40B19 0.75B	
25	727249	-	2	CPLG COLLARS & CPLS CCI-100-1-S1.00 SINGLE SPLIT COLLAR	
24	722960	-	1	SPRK UST 40B9F, 0.63 FIXED BORE W/STANDARD KEYWAY & 2 SS	
23	715823	-	8	COND PANDUIT TM258-C	
22	433629	NO	1	FLX HVF TENSION SCREW	
21	432323	NO	B	HVF SPOOL, PLASTIC	
20	432322	YZ	A	HVF BOTTOM SPOOL WASHER	
19	420919	NO	C	FLX CONV ROLLER, RUBBER #2 30" - SHORT	
18	414546	-	1	SPRK ASSY DOUBLE 40B8 40B24	
17	413744	YZ	D	HVF PROX SENSOR CAM	
16	402878	NO	2	IDLE ROLLER SHAFT - 31 5/16" LG	
15	0374665	NO	-	SLIDE STRIP	
14	0374468	PT	A	TOP MANDREL ADJ	
13	0363689	NO	-	SHAFT RETAINER	
12	0363678	LEN	-	DANCER CRADLE BRKT	
11	0359568	PT	-	HINGE MOUNT BLOCK	
10	0351205	PT	-	ANALOG PROX BRACKET	
9	0351199	PT	-	HINGE CAPTURE PLATE	
8	0351197	LEN	-	HINGE BLOCK	
7	0350357	LEN	B	ADJ MANDREL	
6	017687	-	2	FLX CONV INTERROLL 1.775.R79.000 31.25" ROLLER AL 30	
5	016819	-	1	BRG IPTCI UCFA 204-12 (0.75" BORE) TAP BASE 3/4" BORE	
4	016188	-	1	VGS FASTENAL 0166826 EXTENSION SPRING #75 0.75 OD, 0.062 Wire, 4.5 Overall	
3	014247	-	2	VGS Flange Bushing 7/16 ID X 9/16 OD X 1/2 LG	
2	011192	-	3	BRG IPTCI UCP 204-12 0.75 BORE	
1	010047	-	1	SPRG (CI) 0.75 ODx0.08 WIREx4.50L	
ITEM	PART #	FIN	REV	QTY	DESCRIPTION
DRAWN					BRENTON, A PROMACH PRODUCT BRAND 4750 Country Road 13 NE Alexandria, MN 56308-9014
Wiang 9/8/2020					
CHECKED					
APPROVED					
Tolerances Unless Noted					THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	TITLE		
			S-CARRIAGE BASE 30LH		
REVISION			A	SURFACE AREA	DWG NO
REMOVE ALL BURRS AND SHARP EDGES					1102764
FINISH					





3	1089185	NO	-	1	CAN #40 CHAIN BREAK - 55 P + 1 CONNECTOR + 1 OFFSET	
2	013397			1	#40 CAN BREAK 43P + 1 CONN LINK	
1	011452		-	1	SPRK UST 40B17-0.75, 0.75 BORE, FINISH: BLACK OXIDE	
ITEM	PART #	FIN	REV	QTY	DESCRIPTION	
DRAWN	wiang	8/25/2020		BRENTON, A PROMACH PRODUCT BRAND 4750 County Road 13 NE Alexandria, MN 56308-9014		
CHECKED						
APPROVED						
Tolerances Unless Noted				THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION		
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"		TITLE PRESTRETCH KIT S-CARRIAGE: 150% (HD)		
REMOVE ALL BURRS AND SHARP EDGES				REVISION	SURFACE AREA	DWG NO 1099253
						FINISH



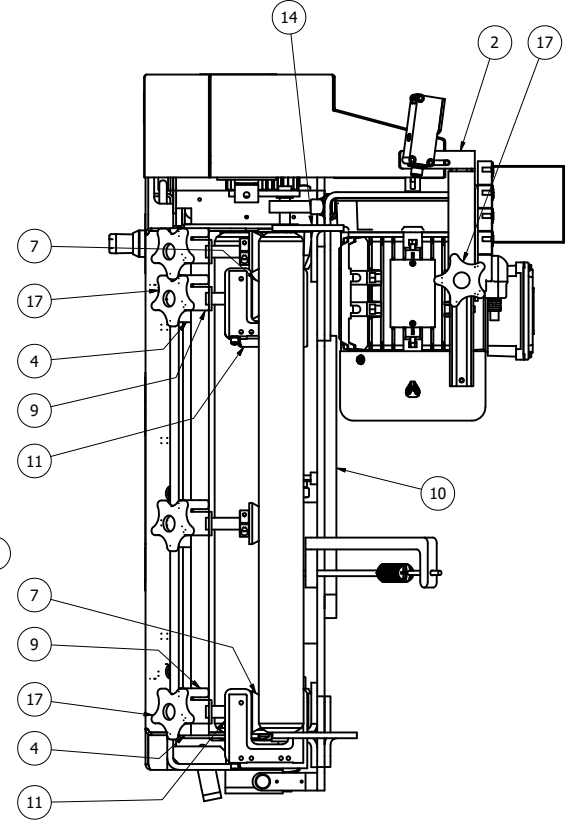
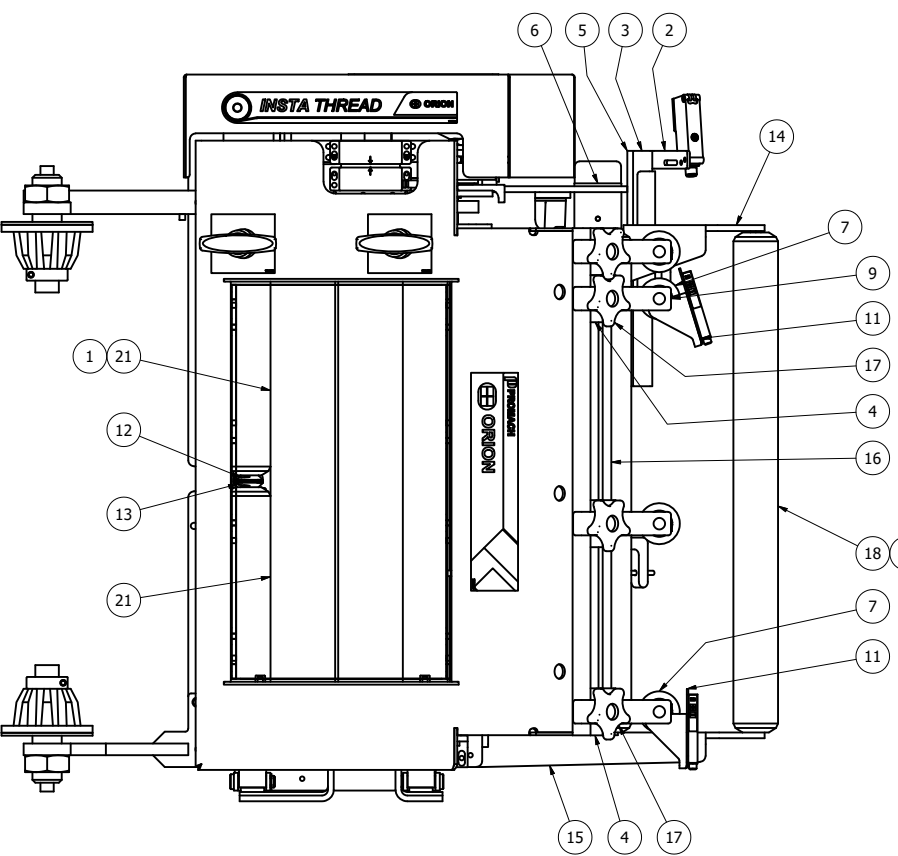
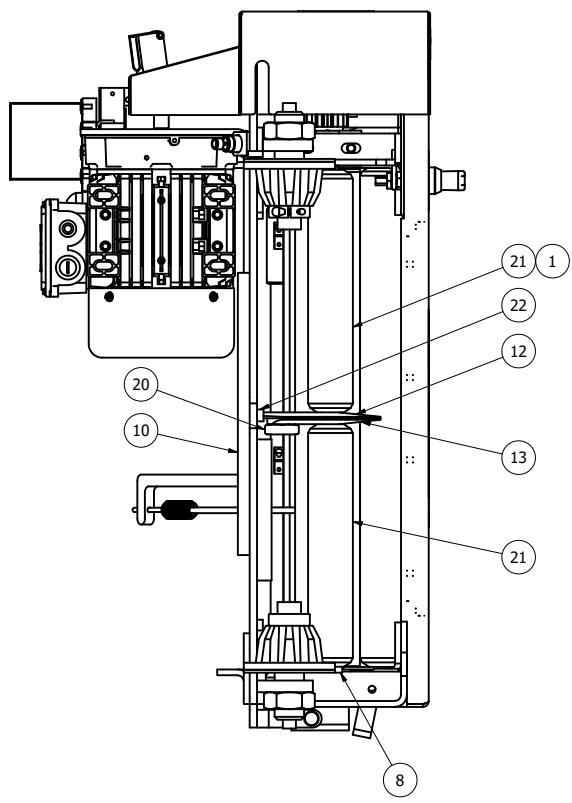
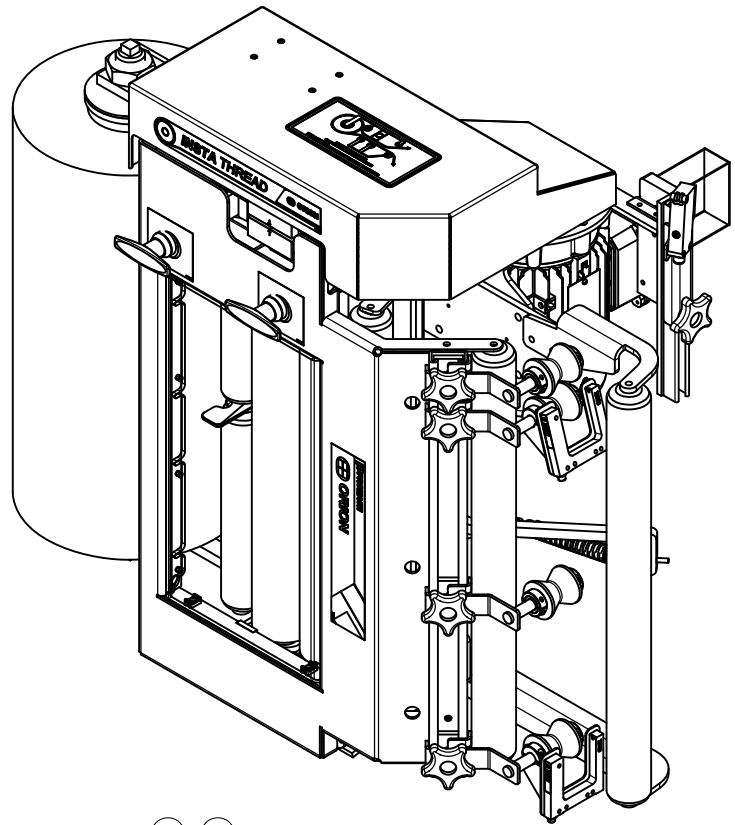
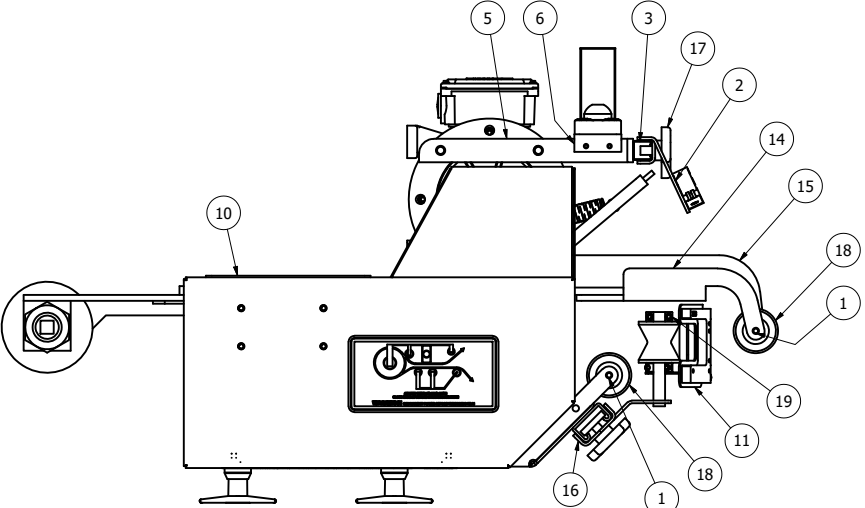
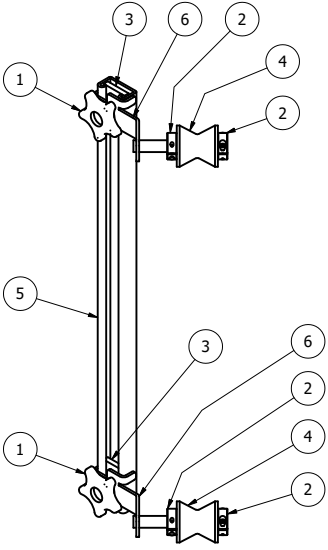
SOME COMPONENTS HIDDEN
FOR CLARITY IN THIS VIEW

24	743094			1	ACT ADAFRUIT 413 LARGE PUSH-PULL SOLENOID
23	015153			2	VGS CONV Roller, #1.775-R79-21.25 Interroll AL 20
22	010092			1	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC 3/4 STUD
21	1102829	YZ	-	1	20" INSTA CUT BRUSH MOUNT
20	1102760	PT	-	1	SOLENOID MNT BRACKET
19	1102759	NO	-	1	SPACER ROUND 0.25 0.58 0.515 SS
18	1099249	NO	A	1	IDLE ROLLER SHAFT
17	1099248	PT	A	1	IDLE ROLLER BRACKET
16	1091790	PT	A	1	20" ULW TOP BRACKET (RT/MA-LH)
15	1091789	PT	A	1	ULW BTM HINGE BRACKET (RT/MA-LH)
14	1088671	PT	-	1	MOUNTING PLATE
13	0390350	NO	-	1	PUNCHING PIN
12	0334850	YZ	A	1	ROLLER MOUNT R/ JOINT
11	0285550	YZ		1	J BLOCK MOUNT 4 STATION
10	0277062	YZ		1	20" INSTA CUT ROTATING BRUSH MOUNT
9	0258838	NO	C	1	LOW WRAP SPACER
8	0258101	YZ	H	1	CARRIAGE PRX MOUNT
7	452729	NO	A	1	VGS HVF Photo High Channel
6	450743	YZ	B	1	VGF HVF SUPPORT CHANNEL
5	443430	NO	D	1	BRUSH ASSY
4	443416	YZ		1	ADJUSTED ROLLER HOLDER-1
3	423966		A	2	IDLER ROLLER SHAFT
2	421884	NO		1	IDLE ROLLER - 1.9 DIA X 4 5/8
1	421883	NO		1	IDLE ROLLER - 1.9 DIA X 16 5/8
ITEM	PART #	FIN	REV	QTY	DESCRIPTION

DRAWN	kschmitz	9/9/2020	BRENTON, A PROMACH PRODUCT BRAND 4750 County Road 13 NE Alexandria, MN 56308-9014		
CHECKED					
APPROVED					
Tolerances Unless Noted			THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION		
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	TITLE PARTS KIT S-CARRIAGE: RT IC 20LH		
REVISION			SURFACE AREA	DWG NO	FINISH
REMOVE ALL BURRS AND SHARP EDGES				1102786	

3	D0247113	YZ	-	2	HVA CHANNEL GUIDE
6	1087821	YZ	-	2	ROPING ROLLER BRACKET
5	0351161	NO	-	1	ROLLER CHANNEL
4	0303880	NO	A	2	ROPING ROLLER
2	094795			4	CPLG COLLARS & CPLS CCI-50-2-50.50 SHAFT COLLAR
1	010092			2	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC 3/4 STUD
ITEM	PART #	FIN	REV	QTY	DESCRIPTION

1099299 PARTS KIT

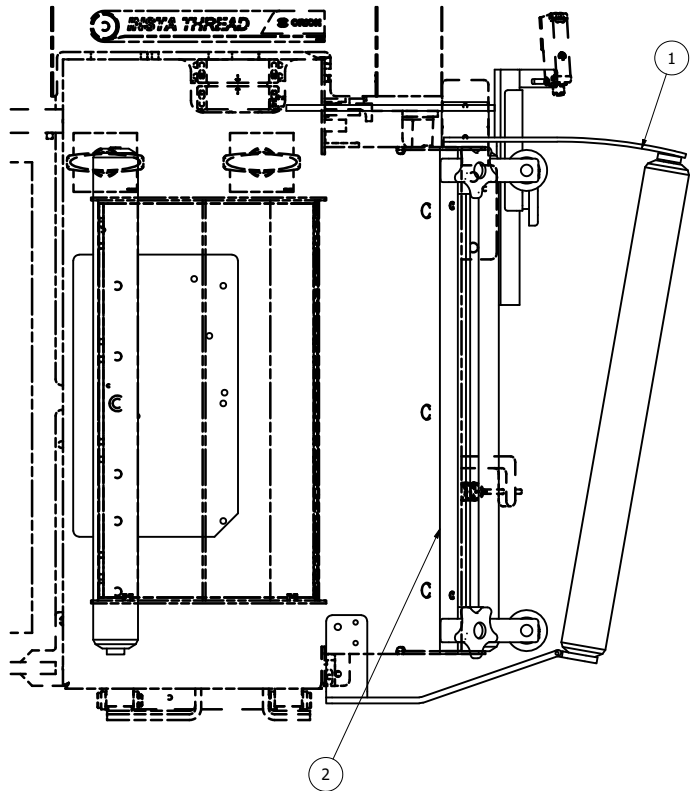
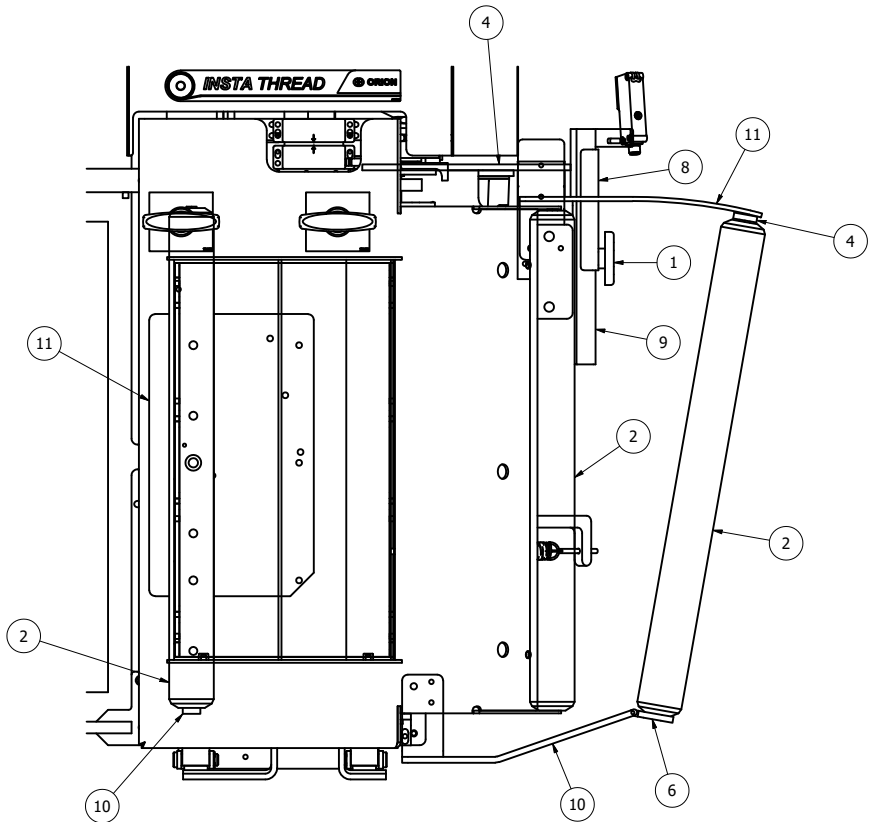
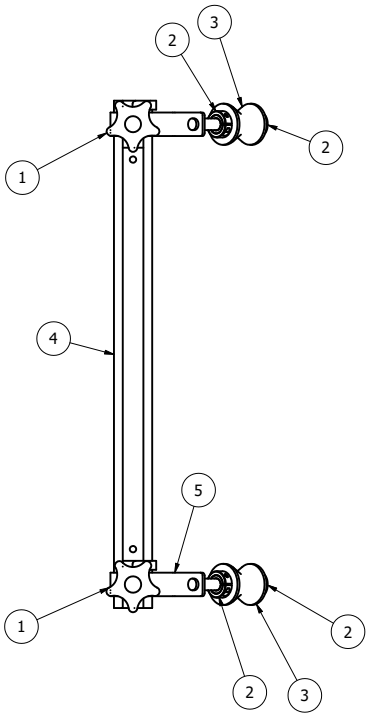
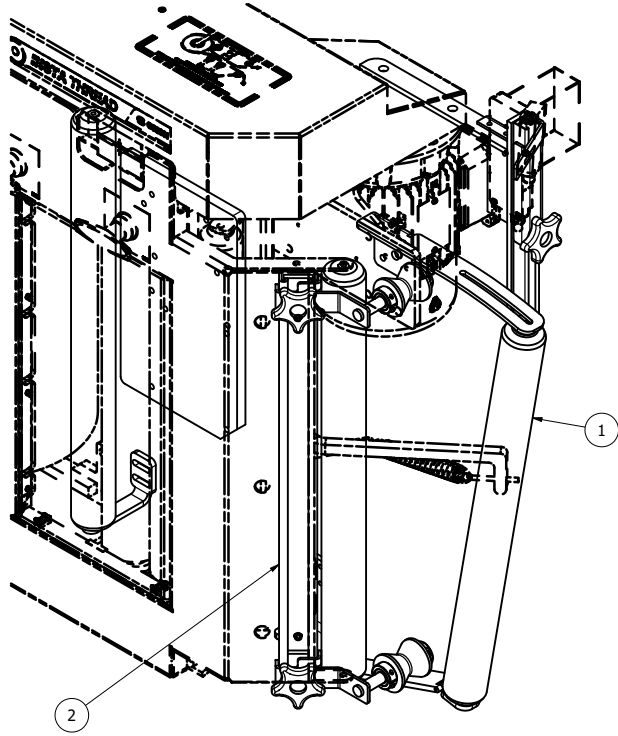
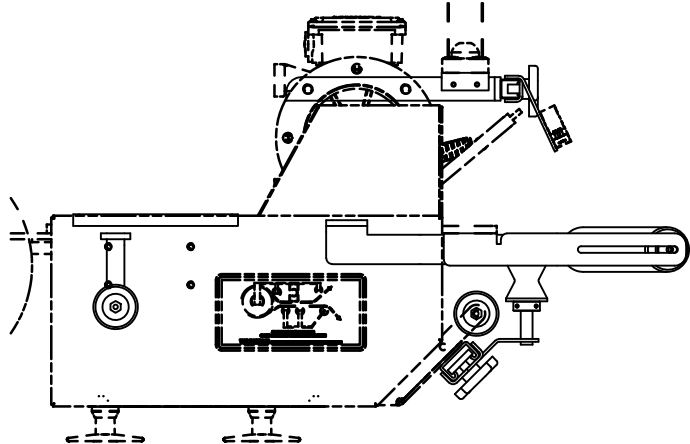
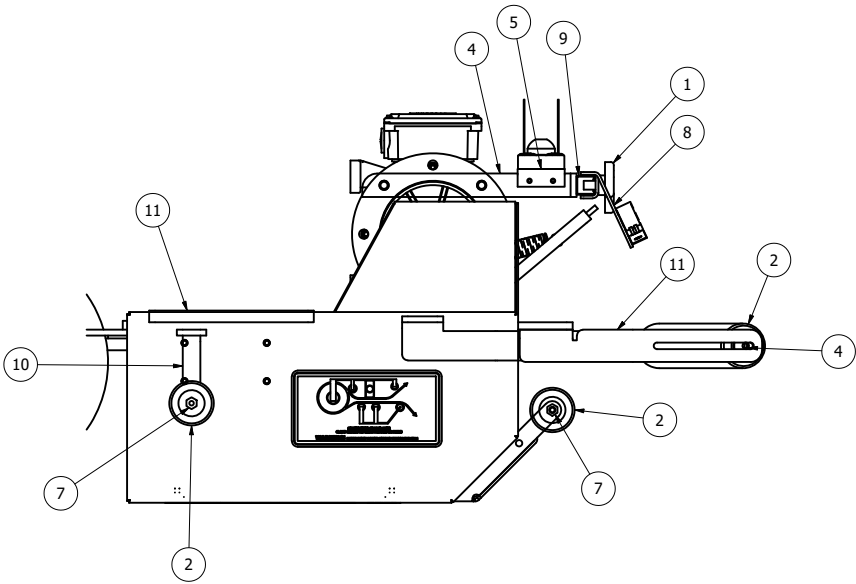
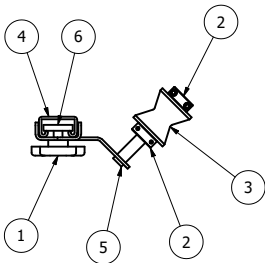


22	754106		-	2	SHOC MCMMASTER 9540K692 UNTHREADED BUMPER 0.50" OD X 0.31" H X 0.16 DIA HOLE
21	729489		-	2	CONV INTERROLL 1.775.R79.00010.31 Roller, Idler, 1.9" Dia. x 10.31 Lg.
20	097802		-	1	KNOB 1-1/2 DIA, 1/4-20 SCREW BLACK
19	094795			2	CPLG COLLARS & CPLS CCI-50-2-50.50 SHAFT COLLAR
18	015153			2	VGS CONV Roller, #1.775-R79-21.25 Interroll AL 20
17	010092			3	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC 3/4 STUD
16	1099299		-	1	PARTS KIT S-CARRIAGE: FLEX/RT MR/SW ROLLERS 20LH
15	1099269	PT	-	1	IDLE ROLLER BRACKET
14	1099268	PT	-	1	IDLE ROLLER BRACKET
13	1099264	PT/PMY	A	1	REMOVABLE BLADE HOUSING
12	1099263	PT/PMY	A	1	STATIONARY BLADE HOUSING
11	1099262	NO	-	2	FORK SENSOR MNT BRACKET
10	1088671	PT	-	1	MOUNTING PLATE
9	1087821	YZ	-	2	ROPING ROLLER BRACKET
8	1046757	PT	A	1	IDLE ROLLER BRACKET
7	0303880	NO	A	2	ROPING ROLLER
6	0285550	YZ	-	1	J BLOCK MOUNT 4 STATION
5	0258101	YZ	H	1	CARRIAGE PRX MOUNT
4	D0247113	YZ	-	2	HVA CHANNEL GUIDE
3	452729	NO	A	1	VGS HVF Photo High Channel
2	450743	YZ	B	1	VGF HVF SUPPORT CHANNEL
1	423966		A	3	IDLER ROLLER SHAFT
ITEM	PART #	FIN	REV	QTY	DESCRIPTION

DRAWN	kschmitz	8/26/2020	BRENTON, A PROMACH PRODUCT BRAND		
CHECKED			4750 County Road 13 NE Alexandria, MN 56308-9014		
APPROVED					
Tolerances Unless Noted			THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION		
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	TITLE PARTS KIT S-CARRIAGE: RT SW 20LH		
REVISION			SURFACE AREA	DWG NO	FINISH
REMOVE ALL BURRS AND SHARP EDGES				1099270	

1099299 PARTS KIT

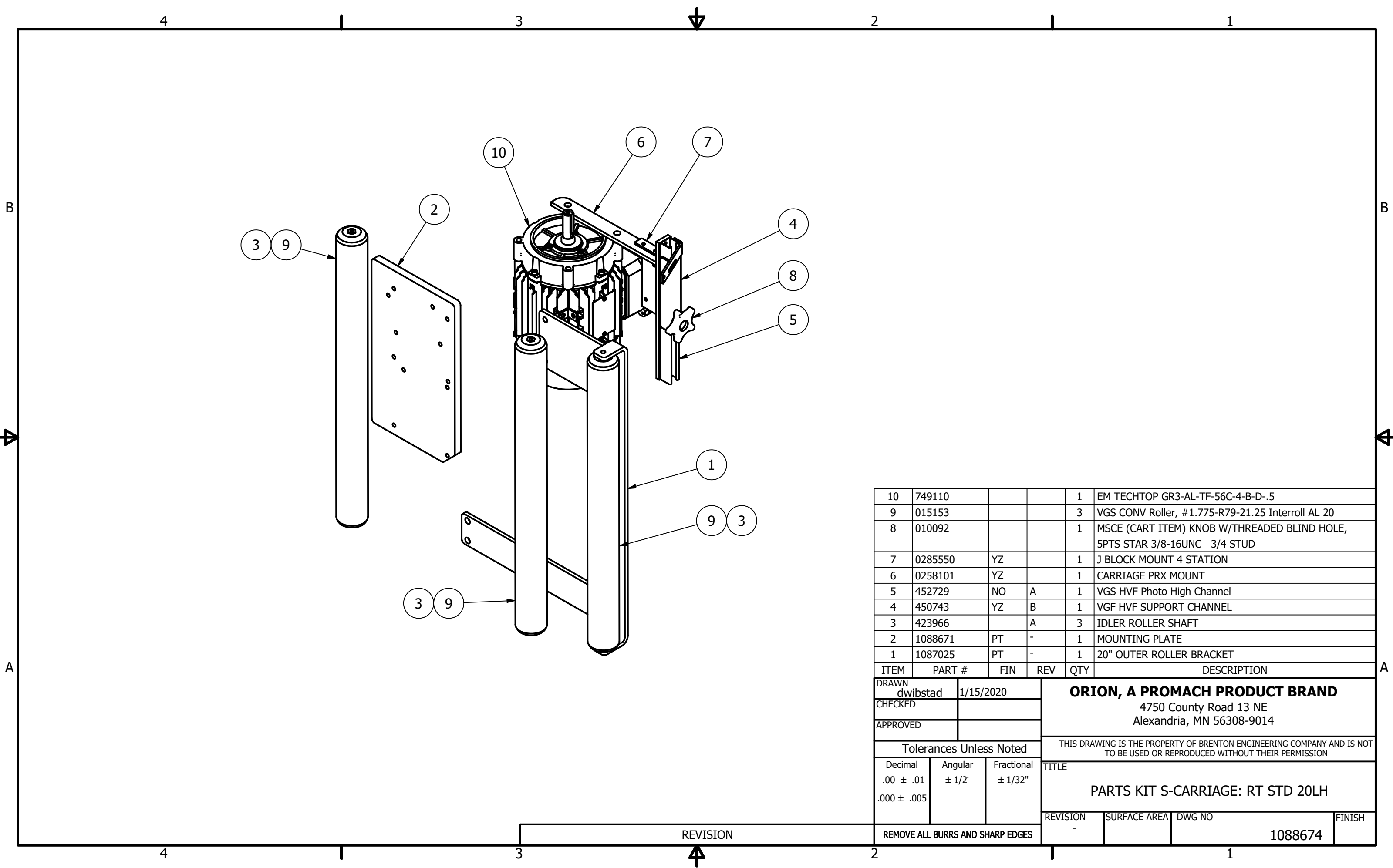
1088674 PARTS KIT



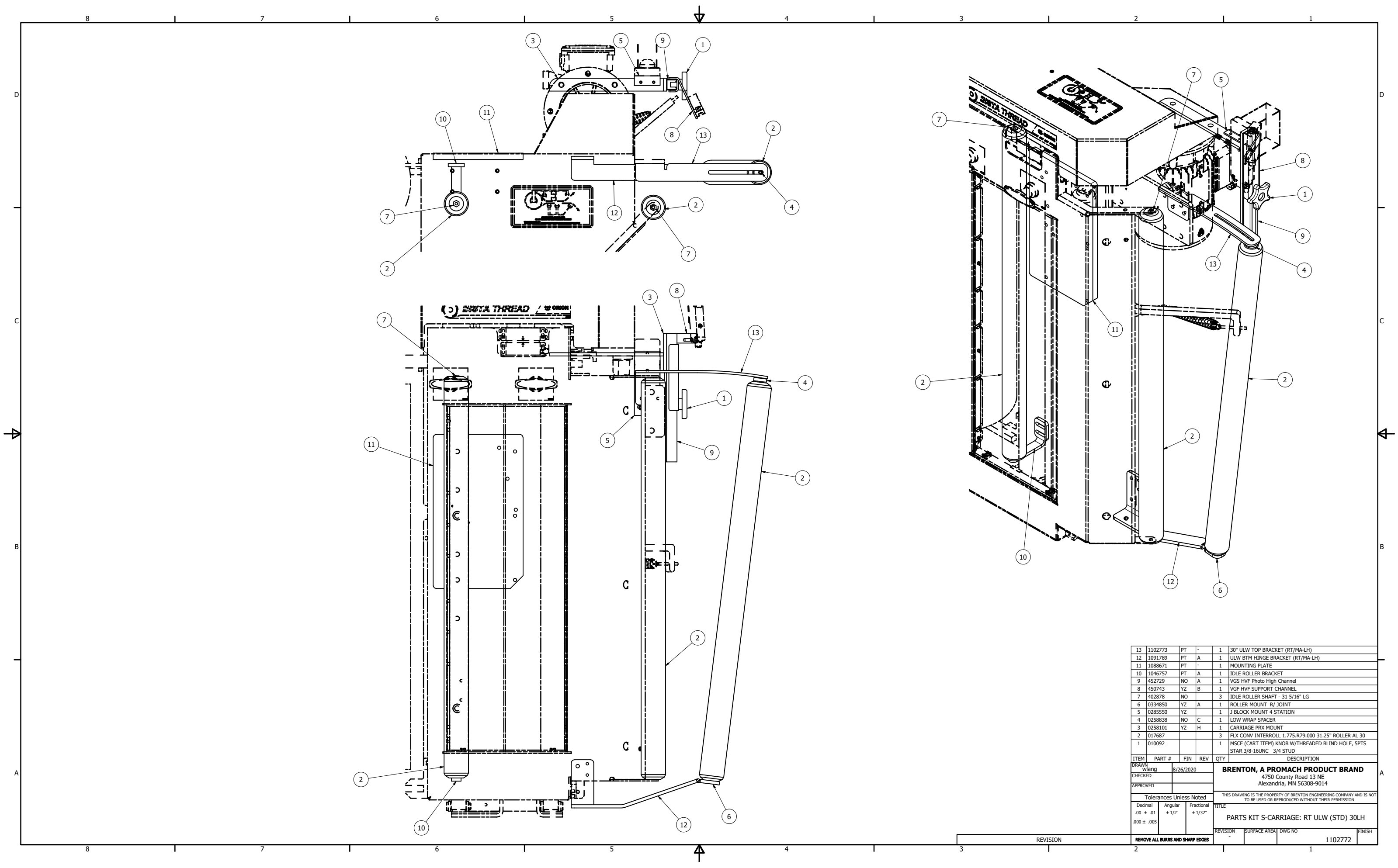
11	1091790	PT	A	1	20" ULW TOP BRACKET (RT/MA-LH)
10	1091789	PT	A	1	ULW BTM HINGE BRACKET (RT/MA-LH)
11	1088671	PT	-	1	MOUNTING PLATE
10	1046757	PT	A	1	IDLE ROLLER BRACKET
9	452729	NO	A	1	VGS HVF Photo High Channel
8	450743	YZ	B	1	VGF HVF SUPPORT CHANNEL
7	423966	A		3	IDLER ROLLER SHAFT
6	0334850	YZ	A	1	ROLLER MOUNT R/ JOINT
5	0285550	YZ		1	J BLOCK MOUNT 4 STATION
4	0258838	NO	C	1	LOW WRAP SPACER
4	0258101	YZ	H	1	CARRIAGE PRX MOUNT
2	015153			3	VGS CONV Roller, #1.775-R79-21.25 Interroll AL 20
1	010092			1	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC 3/4 STUD

6	D0247113	YZ		2	HVA CHANNEL GUIDE
5	1087821	YZ	-	2	ROPING ROLLER BRACKET
4	0351161	NO		1	ROLLER CHANNEL
3	0303880	NO	A	2	ROPING ROLLER
2	094795			4	CPLG COLLARS & CPLS CCI-50-2-S0.50 SHAFT COLLAR
1	010092			2	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC 3/4 STUD

2	1099299		-	1	PARTS KIT S-CARRIAGE: FLEX/RT MR/SW ROLLERS 20LH	
1	1088674		A	1	PARTS KIT S-CARRIAGE: RT ULW (STD) 20LH	
ITEM	PART #	FIN	REV	QTY	DESCRIPTION	
DRAWN	Wiang	8/26/2020	BRENTON, A PROMACH PRODUCTION BRAND 4750 County Road 13 NE Alexandria, MN 56308-9014			
CHECKED						
APPROVED						
Tolerances Unless Noted			THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION			
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"				TITLE
						PARTS KIT S-CARRIAGE: RT MR 20LH
REMOVE ALL BURRS AND SHARP EDGES			REVISION	SURFACE AREA	DWG NO	FINISH
					1099303	

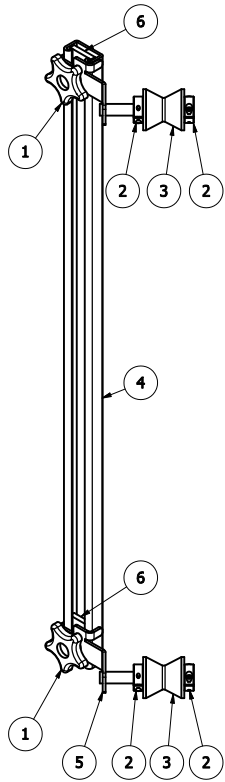


10	749110			1	EM TECHTOP GR3-AL-TF-56C-4-B-D-.5
9	015153			3	VGS CONV Roller, #1.775-R79-21.25 Interroll AL 20
8	010092			1	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC 3/4 STUD
7	0285550	YZ		1	J BLOCK MOUNT 4 STATION
6	0258101	YZ		1	CARRIAGE PRX MOUNT
5	452729	NO	A	1	VGS HVF Photo High Channel
4	450743	YZ	B	1	VGF HVF SUPPORT CHANNEL
3	423966		A	3	IDLER ROLLER SHAFT
2	1088671	PT	-	1	MOUNTING PLATE
1	1087025	PT	-	1	20" OUTER ROLLER BRACKET
ITEM	PART #	FIN	REV	QTY	DESCRIPTION
DRAWN dwibstad		1/15/2020		ORION, A PROMACH PRODUCT BRAND 4750 County Road 13 NE Alexandria, MN 56308-9014	
CHECKED					
APPROVED					
Tolerances Unless Noted				THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION	
Decimal .00 ± .01 .000 ± .005		Angular ± 1/2'		Fractional ± 1/32"	
TITLE PARTS KIT S-CARRIAGE: RT STD 20LH					
REVISION -		SURFACE AREA		DWG NO 1088674	
FINISH					
REMOVE ALL BURRS AND SHARP EDGES					

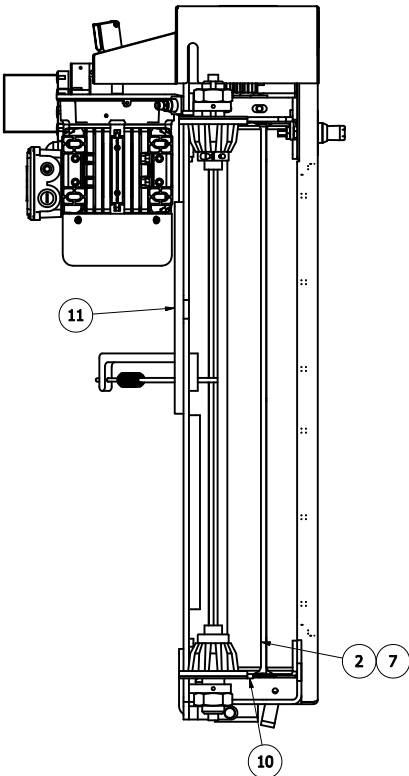


13	1102773	PT	-	1	30" ULW TOP BRACKET (RT/MA-LH)	
12	1091789	PT	A	1	ULW BTM HINGE BRACKET (RT/MA-LH)	
11	1088671	PT	-	1	MOUNTING PLATE	
10	1046757	PT	A	1	IDLE ROLLER BRACKET	
9	452729	NO	A	1	VGS HVF Photo High Channel	
8	450743	YZ	B	1	VGF HVF SUPPORT CHANNEL	
7	402878	NO	-	3	IDLE ROLLER SHAFT - 31 5/16" LG	
6	0334850	YZ	A	1	ROLLER MOUNT R/ JOINT	
5	0285550	YZ	A	1	J BLOCK MOUNT 4 STATION	
4	0258838	NO	C	1	LOW WRAP SPACER	
3	0258101	YZ	H	1	CARRIAGE PRX MOUNT	
2	017687	-	-	3	FLX CONV INTERROLL 1.775.R79.000 31.25" ROLLER AL 30	
1	010092	-	-	1	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, SPTS STAR 3/8-16UNC 3/4 STUD	
ITEM PART # FIN REV QTY DESCRIPTION						
DRAWN wiang		8/26/2020		BRENTON, A PROMACH PRODUCT BRAND 4750 County Road 13 NE Alexandria, MN 56308-9014		
CHECKED						
APPROVED						
Tolerances Unless Noted				THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION		
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	TITLE			
PARTS KIT S-CARRIAGE: RT ULW (STD) 30LH						
REVISION		SURFACE AREA		DWG NO		
REMOVE ALL BURRS AND SHARP EDGES				1102772		
				FINISH		

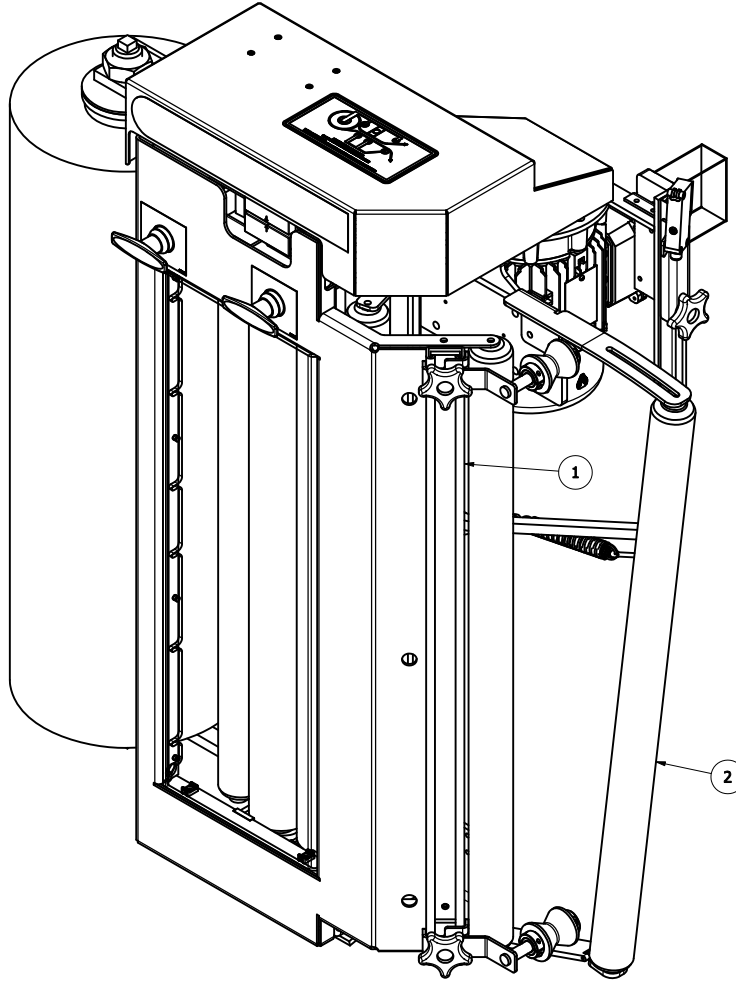
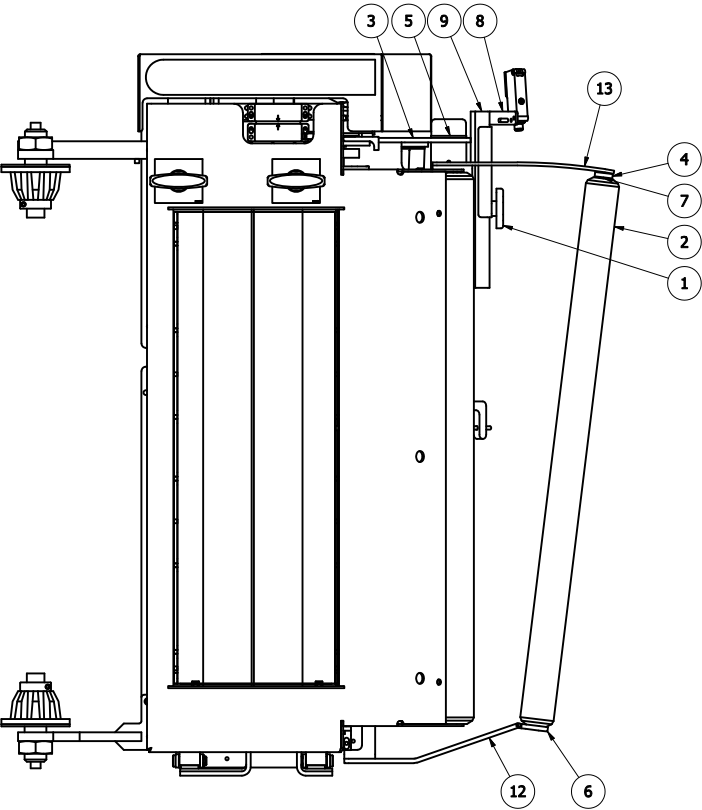
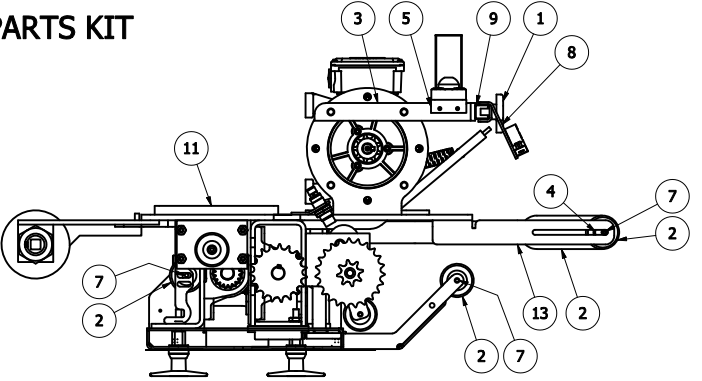
1099259 PARTS KIT



13	1102773	PT	-	1	30" ULW TOP BRACKET (RT/MA-LH)
12	1091789	PT	A	1	ULW BTM HINGE BRACKET (RT/MA-LH)
11	1088671	PT	-	1	MOUNTING PLATE
10	1046757	PT	A	1	IDLE ROLLER BRACKET
9	452729	NO	A	1	VGS HVF Photo High Channel
8	450743	YZ	C	1	VGF HVF SUPPORT CHANNEL
7	402878	NO		3	IDLE ROLLER SHAFT - 31 5/16" LG
6	0334850	YZ	A	1	ROLLER MOUNT R/ JOINT
5	0285550	YZ		1	3 BLOCK MOUNT 4 STATION
4	0258838	NO	C	1	LOW WRAP SPACER
3	0258101	YZ	H	1	CARRIAGE PRX MOUNT
2	017687			3	FLX CONV INTERROLL 1.775,R79,000 31.25" ROLLER AL 30
1	010092			1	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC 3/4 STUD
ITEM	PART #	FIN	REV	QTY	DESCRIPTION

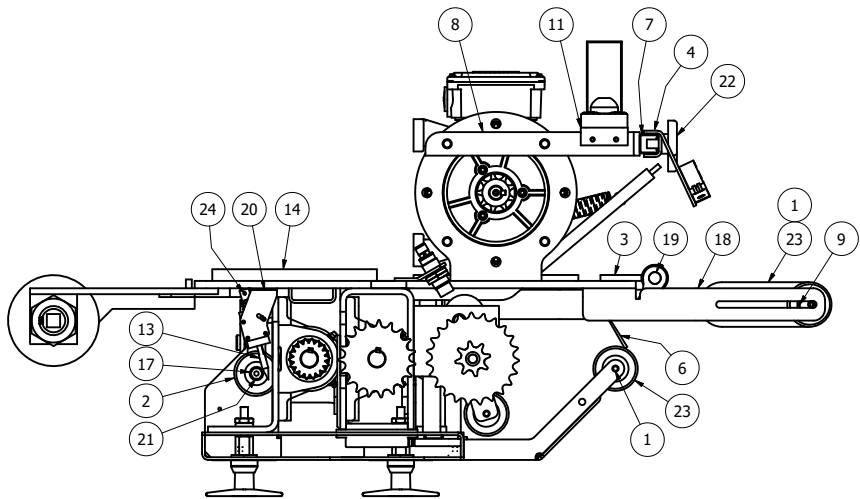


1102772 PARTS KIT

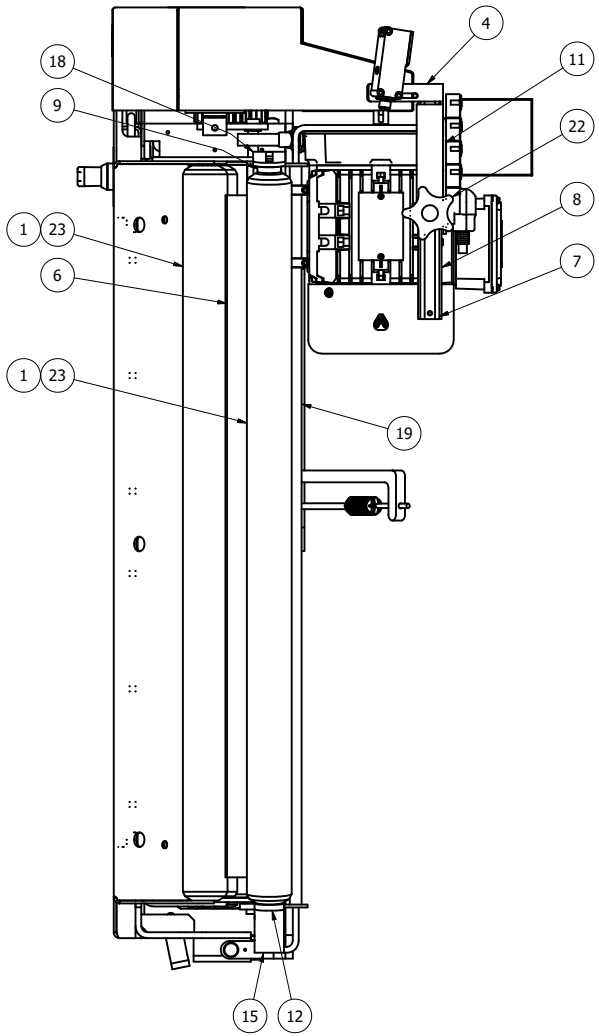
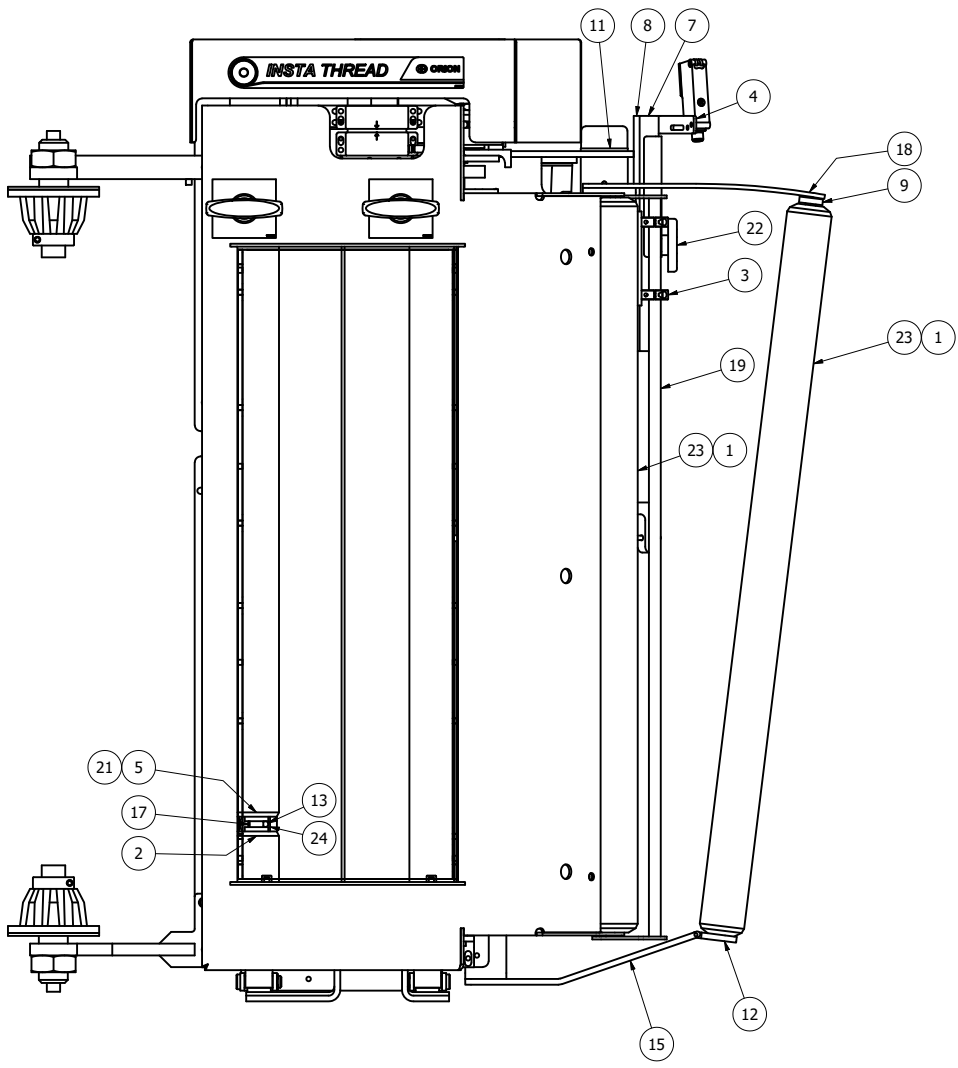
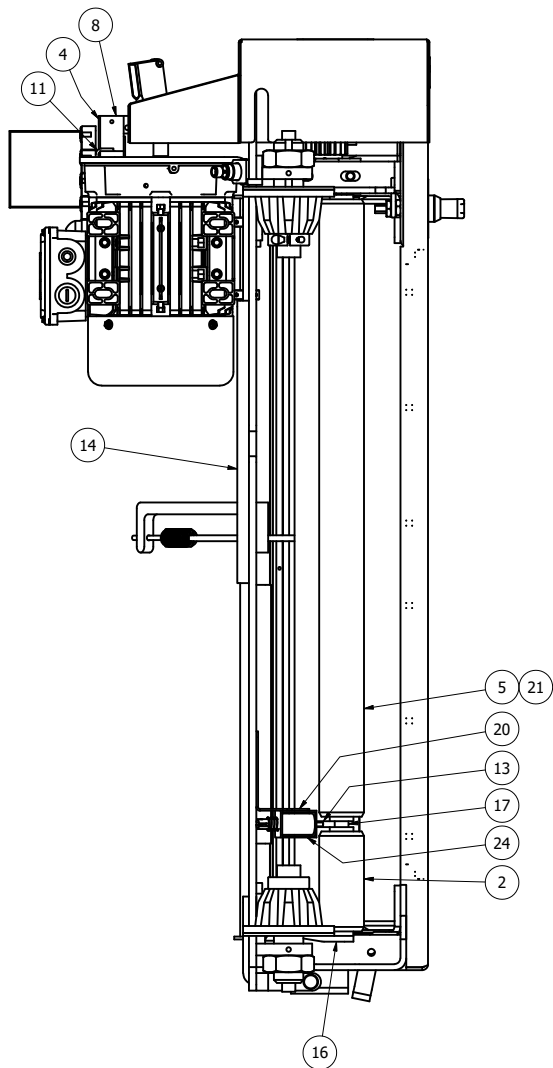
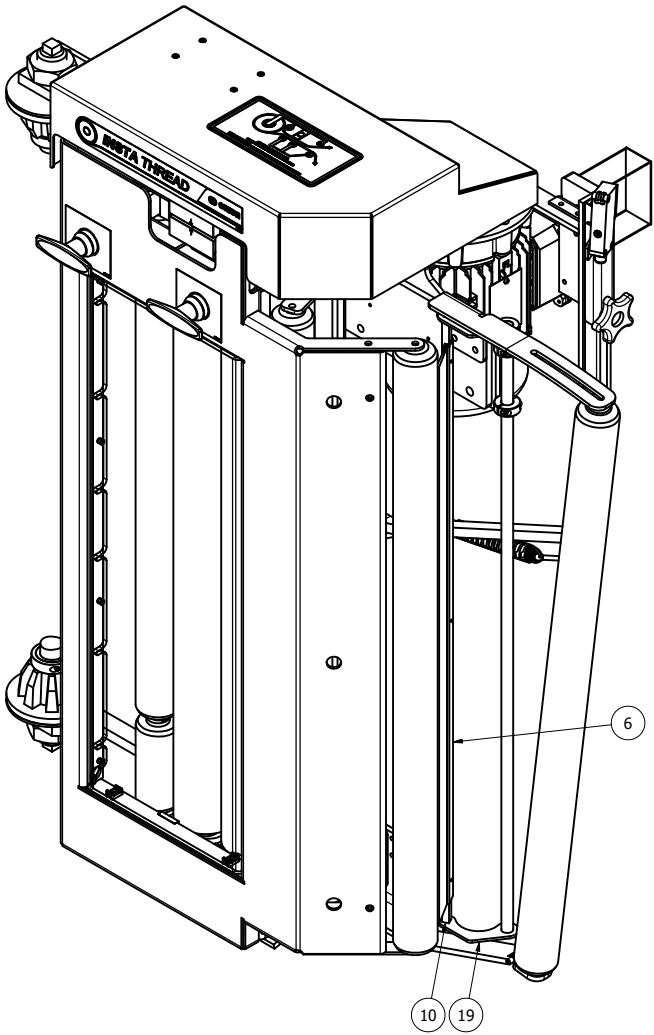


6	D0247113	YZ		2	HVA CHANNEL GUIDE
5	1067821	YZ	-	2	ROPING ROLLER BRACKET
4	0351162	NO		1	ROLLER CHANNEL
3	0303880	NO	A	2	ROPING ROLLER
2	094795			4	CPLG COLLARS & CPLS CCL-50-2-S0.50 SHAFT COLLAR
1	010092			2	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC 3/4 STUD
ITEM	PART #	FIN	REV	QTY	DESCRIPTION

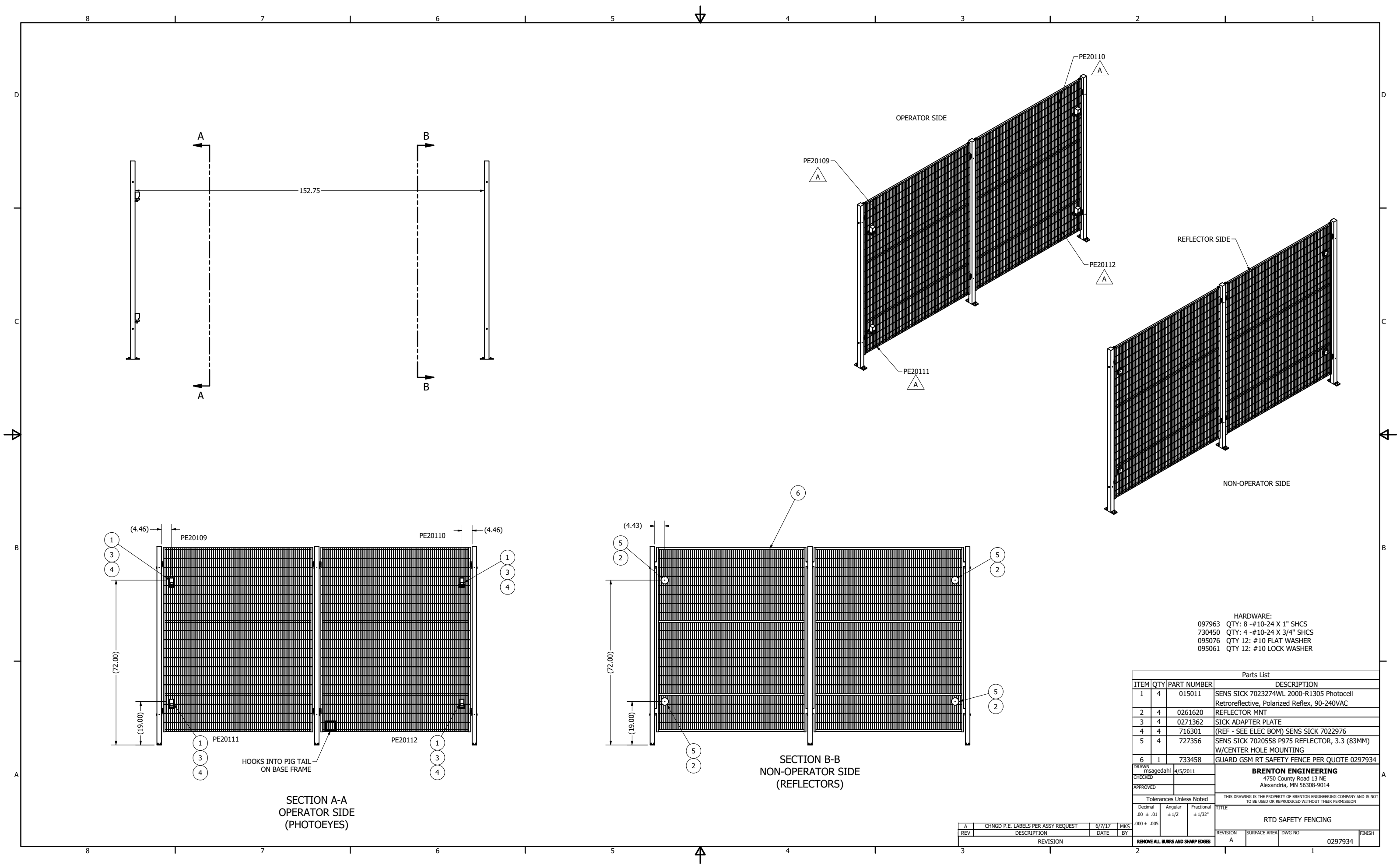
2	1102772		-	1	PARTS KIT S-CARRIAGE: RT ULW (STD) 30LH
1	1099259		-	1	PARTS KIT S-CARRIAGE: RT/HP MR 30LH
ITEM	PART #	FIN	REV	QTY	DESCRIPTION
DRAWN	Kschmitz		3/10/2021		
CHECKED					
APPROVED					
Tolerances Unless Noted					THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION
Decimal	Angular	Fractional	TITLE		
.00 ± .01	± 1/2°	± 1/32"	PARTS KIT S-CARRIAGE: RT MR 30LH		
.000 ± .005			REVISION	SURFACE AREA	DWG NO
REMOVE ALL BURRS AND SHARP EDGES					1102777

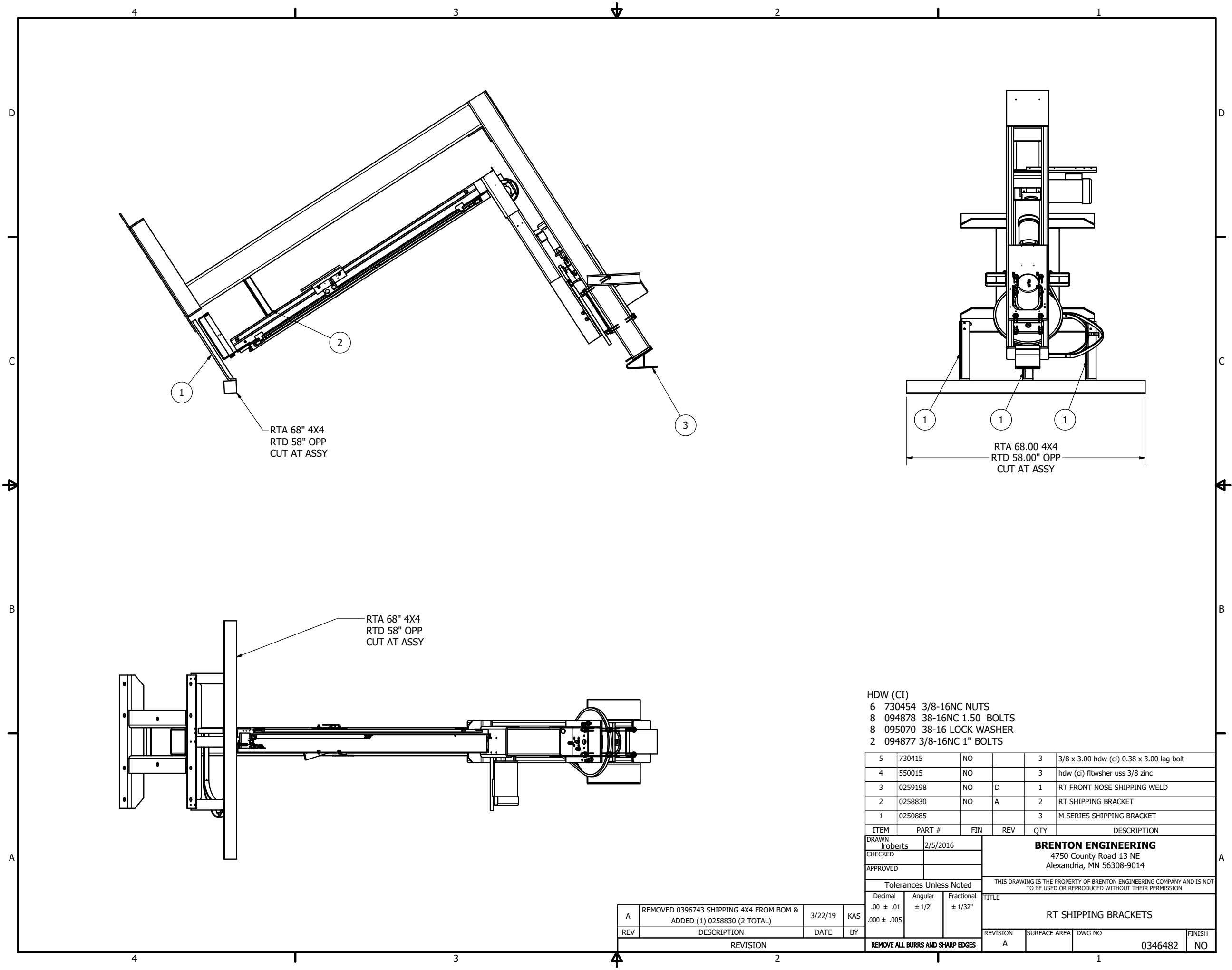


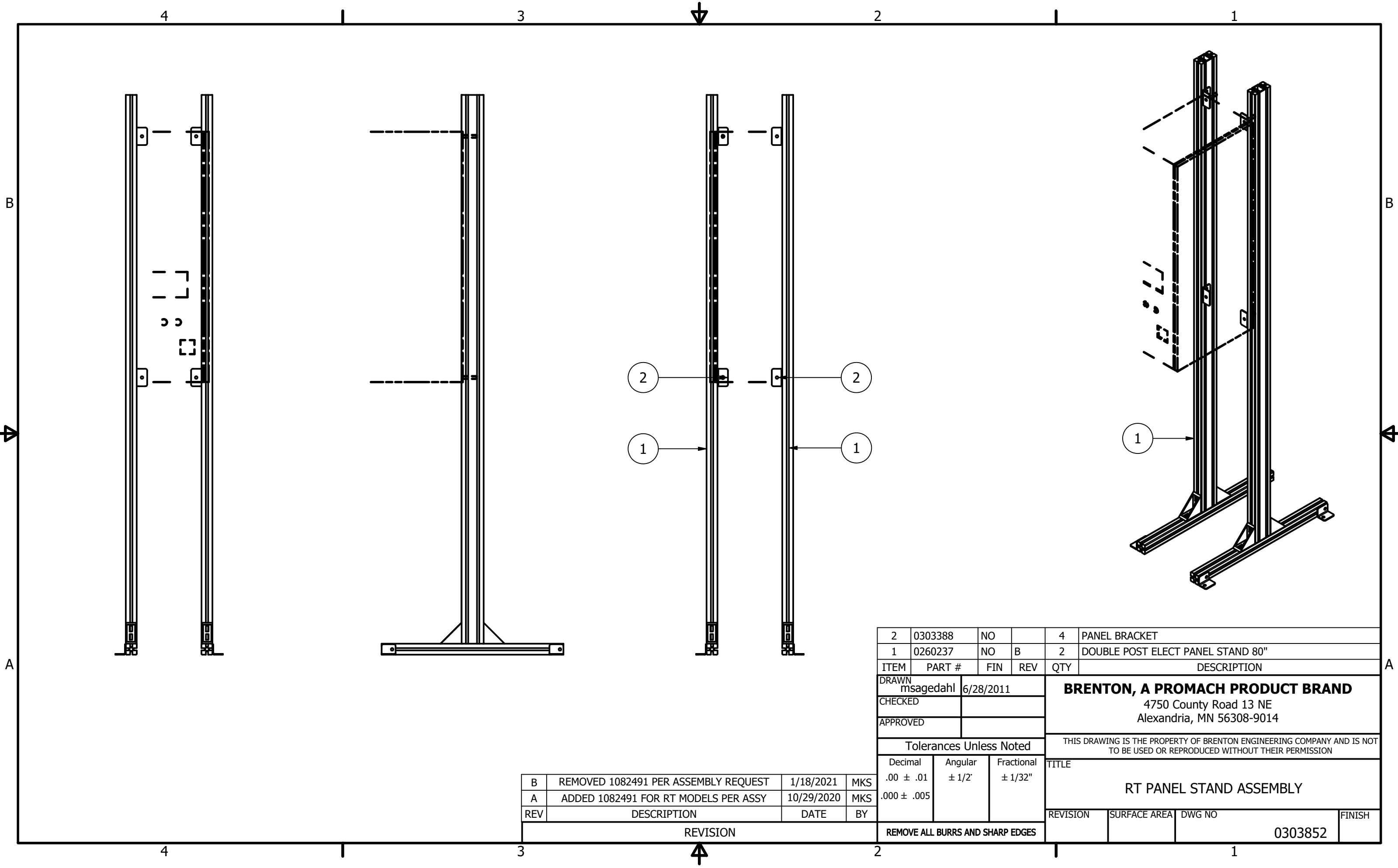
SOME COMPONENTS HIDDEN
FOR CLARITY IN THIS VIEW



24	743094			1	ACT ADAFRUIT 413 LARGE PUSH-PULL SOLENOID	
23	017687			2	FLX CONV INTERROLL 1.775.R79.000 31.25" ROLLER AL 30	
22	010092			1	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, SPTS STAR 3/8-16UNC 3/4 STUD	
21	1102828	NO	-	1	IDLE ROLLER SHAFT	
20	1102827	PT	-	1	SOLENOID MNT BRACKET	
19	1102826	YZ	-	1	30" INSTA CUT BRUSH MOUNT	
18	1102773	PT	-	1	30" ULW TOP BRACKET (RT/MA-LH)	
17	1102759	NO	-	1	SPACER ROUND 0.25 0.58 0.515 SS	
16	1099248	PT	A	1	IDLE ROLLER BRACKET	
15	1091789	PT	A	1	ULW BTM HINGE BRACKET (RT/MA-LH)	
14	1088671	PT	-	1	MOUNTING PLATE	
13	0390350	NO	-	1	PUNCHING PIN	
12	0334850	YZ	A	1	ROLLER MOUNT R/ JOINT	
11	0285550	YZ	-	1	J BLOCK MOUNT 4 STATION	
10	0277059	YZ	-	1	30" INSTA CUT ROTATING BRUSH MOUNT	
9	0258838	NO	C	1	LOW WRAP SPACER	
8	0258101	YZ	H	1	CARRIAGE PRX MOUNT	
7	452729	NO	A	1	VGS HVF Photo High Channel	
6	452087	NO	-	1	BRUSH ASSY - 30" CARRIAGE	
5	452084			1	IDLE ROLLER - 1.9 DIA X 26 5/8	
4	450743	YZ	B	1	VGF HVF SUPPORT CHANNEL	
3	443416	YZ	-	1	ADJUSTED ROLLER HOLDER-1	
2	421884	NO	-	1	IDLE ROLLER - 1.9 DIA X 4 5/8	
1	402878	NO	-	2	IDLE ROLLER SHAFT - 31 5/16" LG	
ITEM	PART #	FIN	REV	QTY	DESCRIPTION	
DRAWN	kschmitz	9/9/2020	BRENTON, A PROMACH PRODUCT BRAND 4750 County Road 13 NE Alexandria, MN 56308-9014			
CHECKED						
APPROVED						
Tolerances Unless Noted			THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION			
Decimal	Angular	Fractional				TITLE
.00 ± .01	± 1/2"	Fractional ± 1/32"				PARTS KIT S-CARRIAGE: RT IC 30LH
.000 ± .005			REVISION	SURFACE AREA	DWG NO	
REMOVE ALL BURRS AND SHARP EDGES					1102789	
					FINISH	







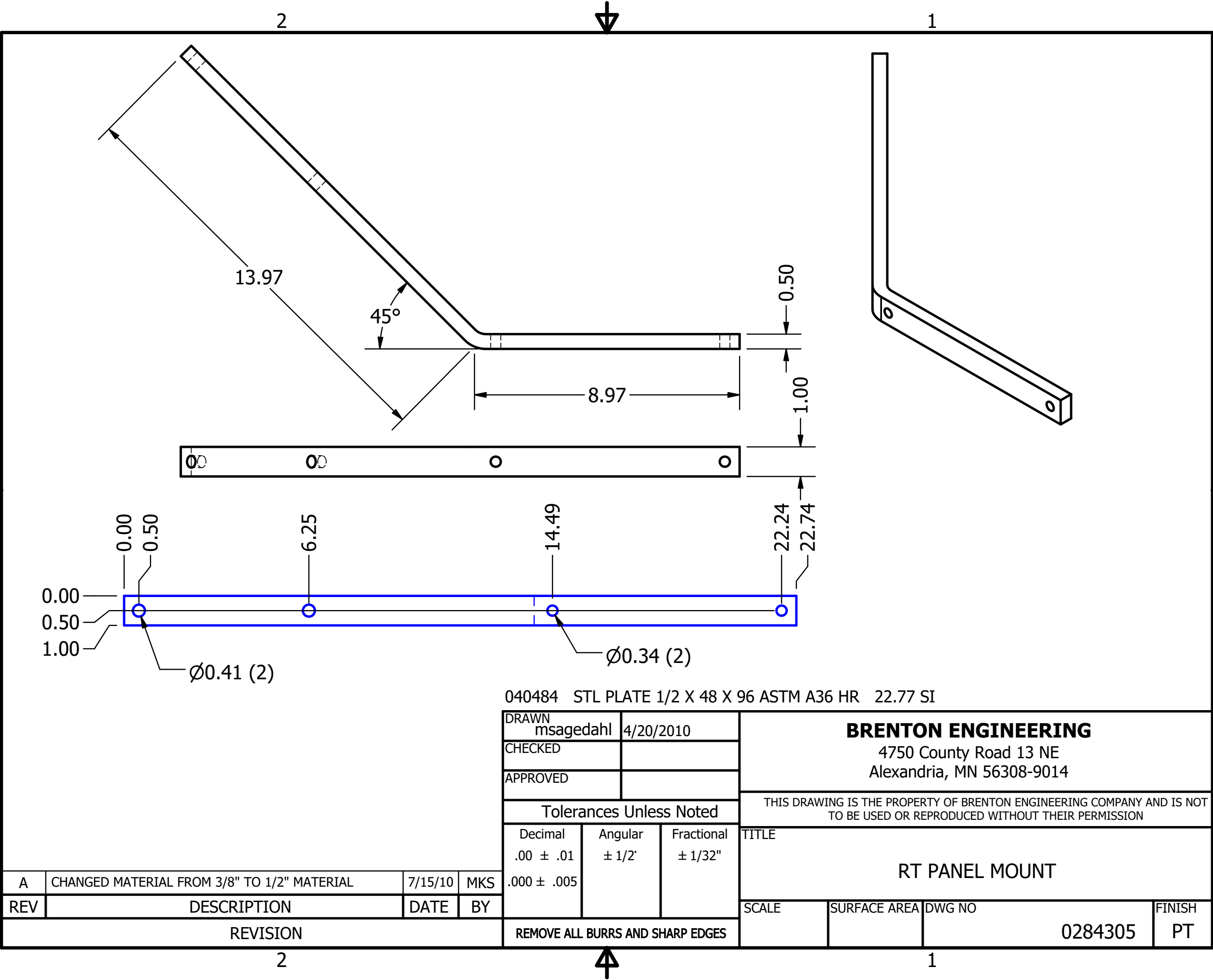
B	REMOVED 1082491 PER ASSEMBLY REQUEST	1/18/2021	MKS
A	ADDED 1082491 FOR RT MODELS PER ASSY	10/29/2020	MKS
REV	DESCRIPTION	DATE	BY

REVISION			
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2	0303388	NO	
1	0260237	NO	B
ITEM	PART #	FIN	REV
DRAWN msagedahl		6/28/2011	
CHECKED			
APPROVED			
Tolerances Unless Noted			
Decimal	Angular	Fractional	
.00 ± .01	± 1/2°	± 1/32"	
.000 ± .005			

REMOVE ALL BURRS AND SHARP EDGES			
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4	PANEL BRACKET		
2	DOUBLE POST ELECT PANEL STAND 80"		
QTY	DESCRIPTION		
BRENTON, A PROMACH PRODUCT BRAND 4750 County Road 13 NE Alexandria, MN 56308-9014			
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TITLE			
RT PANEL STAND ASSEMBLY			
REVISION	SURFACE AREA	DWG NO	FINISH
		0303852	



040484 STL PLATE 1/2 X 48 X 96 ASTM A36 HR 22.77 SI

DRAWN msagedahl		4/20/2010	
CHECKED			
APPROVED			
Tolerances Unless Noted			
Decimal	Angular	Fractional	
.00 ± .01	± 1/2°	± 1/32"	
.000 ± .005			
REMOVE ALL BURRS AND SHARP EDGES			

BRENTON ENGINEERING 4750 County Road 13 NE Alexandria, MN 56308-9014			
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TITLE RT PANEL MOUNT			
SCALE	SURFACE AREA	DWG NO	FINISH
		0284305	PT

A	CHANGED MATERIAL FROM 3/8" TO 1/2" MATERIAL	7/15/10	MKS
REV	DESCRIPTION	DATE	BY
REVISION			