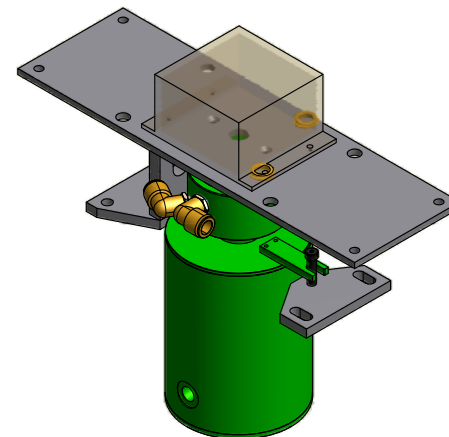
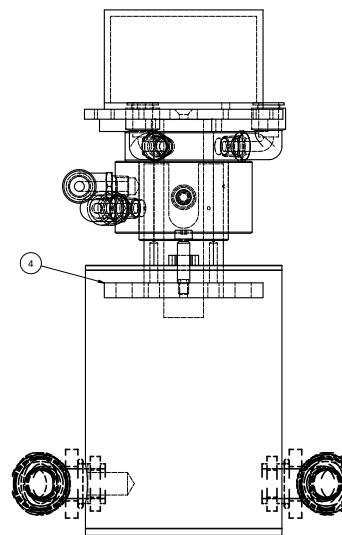
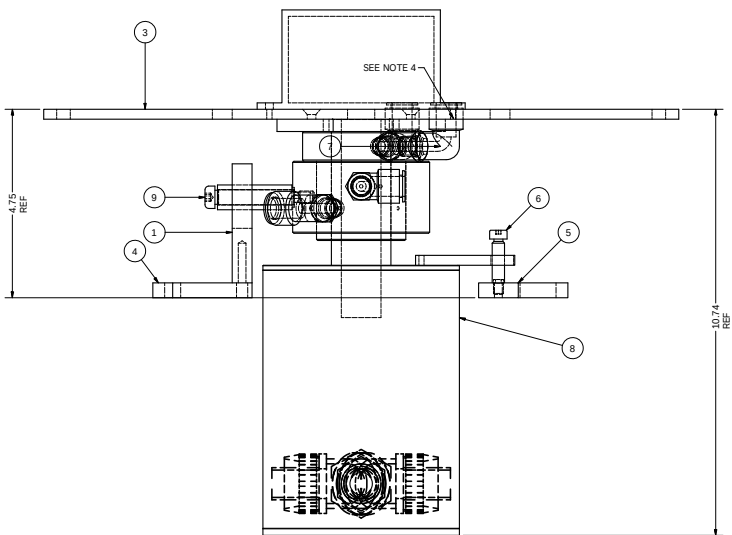




- NOTES:
1. ALL BOLTS SHOULD BE LOCITIED IN PLACE.
 2. INSTALL ANTI-ROTATE PIN SO IT ALLOWS MOVEMENT OF THE SLIPRING AS IT IS ROTATED 360 DEGREES.
 3. WHEN INSTALLING ON THE MACHINE MAKE SURE THE SLIPRING IS CENTERED TO PREVENT ECCENTRIC MIS-ALIGNMENT OF THE COMPONENTS DURING ROTATION.
 4. MAKE SURE AIR LINES ARE SECURED WELL TO PREVENT INTERFERENCE BETWEEN ROTATING AND NON-ROTATING LINES

Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	0319099	1	ANTI-ROTATE FORK
2	0336719	1	ANTI-ROTATE SLEEVE
3	0342225	1	RTORSEAL/SLIP RING MOUNT
4	0355056	1	ANTI-ROTATE PLATE
5	0350507	1	ANTI-ROTATE PIN PLATE
6	7059564	1	HDW SHLOBLT 0.31 X 1.00
7	729692	4	CP (CART) 1Q3-35S 1/2T/4J4 NPT ELBOW
8	735135	1	18-WIRE SLIP RING WITH 2-PORT 1/4 NPT AIR UNION
9	736068	1	HDW SHLOBLT 0.38 X 2.00 LG SLEE 5/16-24 THRD

REVISED: 02/27/2014

APPROVED:

BRENTON ENGINEERING

4750 COUNTRY ROAD 13 NE

ALBUQUERQUE, NM 85006 910-555-5555

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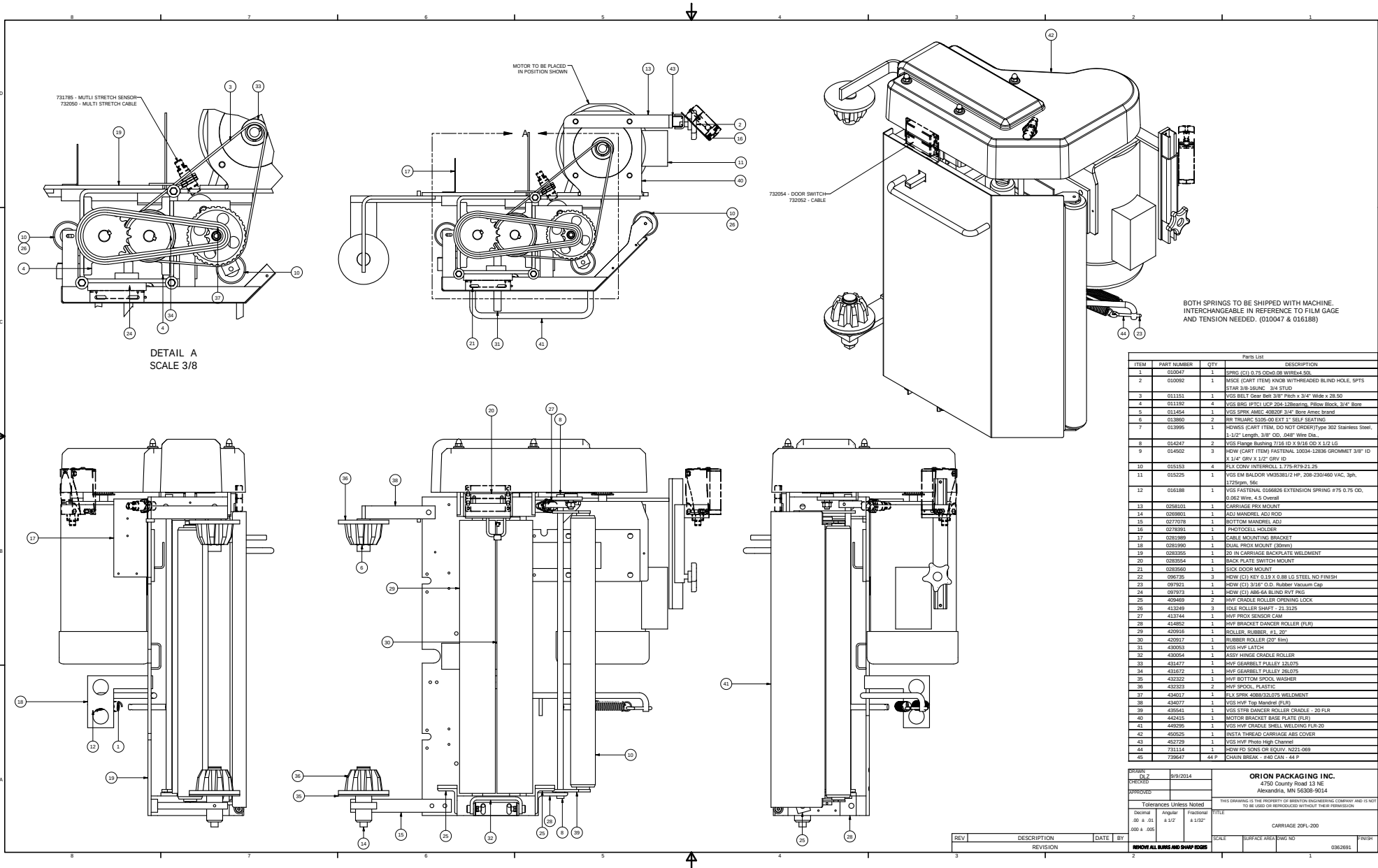
Tolerances Unless Noted			
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0.005	0.050	0.005	0.03125"

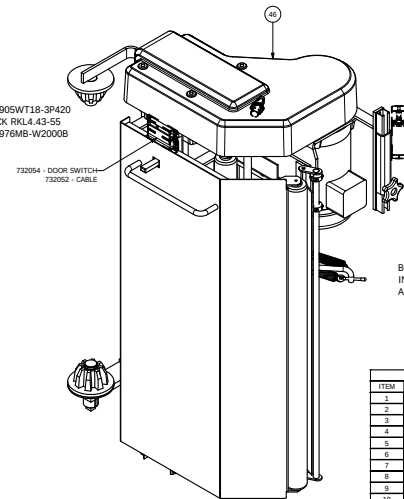
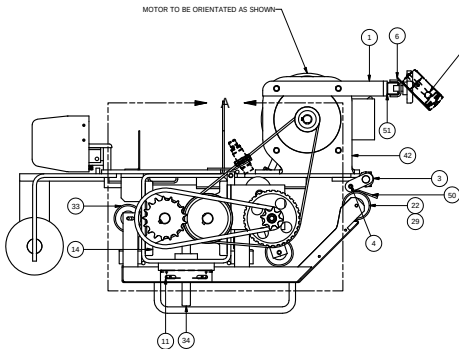
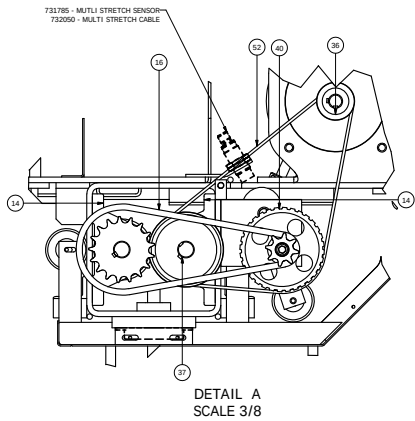
BY: DATE: 03/27/2014

SCALE: 1"=16" (SEE AREA) LONG NO. 0355505

FIG. NO. 0355505

REV	DESCRIPTION	DATE	BY
	REVISION		





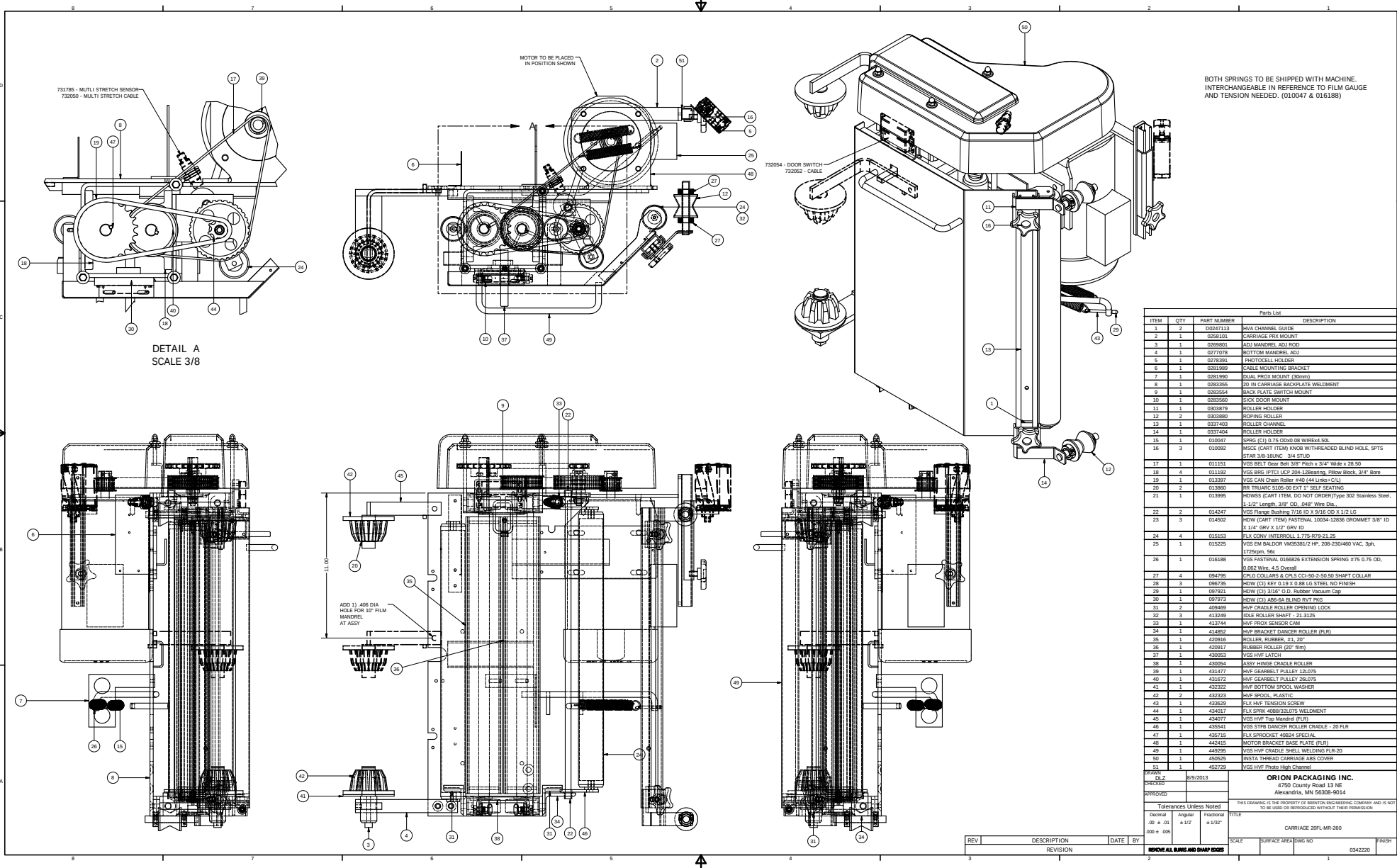
BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE SPRINGS ACCORDING TO FILM GAGE
AND TENSION NEEDED. (010047 & 016188)

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0268101	CARRIAGE PREX MOUNT
2	1	026903	ADJ MANDREL ADJ ROD
3	1	0277058	30" INSTA CUT BRUSH MOUNT
4	1	0277059	30" INSTA CUT ROTATING BRUSH MOUNT
5	1	0277078	BOTTOM MANDREL ADJ
6	1	0278361	PHOTOCELL HOLDER
7	1	0281989	CABLE MOUNTING BRACKET
8	1	0283965	30 IN CARRIAGE BACK PLATE WELDMENT
9	1	0283976	30" CARRIAGE DUAL PREX MOUNT (30mm)
10	1	0283954	BACK PLATE SWITCH MOUNT
11	1	0283960	SICK DOOR MOUNT
12	1	010047	SPRING (C) 4.75 COMD 08 WIRE#4 SBL
13	1	010092	WIDE CHART ITEM INADE WITH REARED BLIND HOLE. SPTS
14	4	011182	STAR 3/8 36UNC 3/4 STUD
15	2	011462	VSS BRE PTCL UCF 204-128bearing Pillow Block, 3/4" Bore
16	1	013597	VSS CAN Chain Roller #40 (44 Links x C1)
17	2	013860	RR TRILARC 5105-00 EXT 1" SELF SEATING
18	1	013995	HOVMS (CART ITEM DO NOT ORDER)Type 302 Stainless Steel, 1-1/2" Length, 3/8" OD, .048" Wire Dia.
19	2	014247	VSS Flange Bushing 7/16 ID X 9/16 OD X 1/2 LG
20	3	014502	HOW (CART ITEM) FASTENAL 10034-12636 GR6MMET 3/8" ID X 1/4" GRV X 1/2" GRV ID
21	1	016188	VSS FASTENAL 0166026 EXTENSION SPRING #75 0.75 OD, 2.062 Wire, 4.5 Overall
22	2	017687	ROLLER AL 30"
23	1	094054	SM BALCOOR VM3546 1.00 HP 56C
24	1	095837 (014458)	VSS Spring Pin Standard, 3/16 x 1" LG
25	1	097921	HOW (C) 20SIP O.D. Rubber Vacuum Cap
26	1	097973	HOW (C) ABS-6A BLIND RVT PKG
27	2	409469	HVF CRADLE ROLLER OPENING LOCK
28	1	412744	HVF PUNCH SENSOR CAM
29	3	414385	HVF TOLE ROLLER SHIRT - 31 5/16" LG
30	1	414852	HVF BRACKET DANCER ROLLER (FLR)
31	1	420918	FLV CONV ROLLER RUBBER #1 30" LONG
32	1	420919	FLV CONV ROLLER RUBBER #2 30" - SHORT
33	1	421584	TOLE ROLLER - 1.9 DIA X 4 5/8
34	1	430063	VGS HVF LATCH
35	1	430064	ASSY HINCE CRADLE ROLLER
36	1	431477	HVF GEARBELT PULLEY 12L075
37	1	431672	HVF GEARBELT PULLEY 26L075
38	1	432322	HVF BOTTOM SPOOL WASHER
39	2	432323	HVF SPOOL PLASTIC
40	1	434017	FLX SPRK 400H 12L075 WELDMENT
41	1	434077	HVF HVF Top Mandrel (FLR)
42	1	443415	MOTOR BRACKET BASE PLATE (FLR)
43	1	443416	ADJUSTED ROLLER HOLDER-1
44	1	443421	FLX P ASSY FILM PUNCH DEVICE -INSTA THRD
45	1	443422	INSTA CUT PIN PROTECTOR
46	1	450265	INSTA THREAD CARRIAGE ABS COVER
47	1	450578	CRADLE ROLLER SHELL WELDING
48	1	450741	DANCER ROLLER ASSY -30
49	1	450984	TOLE ROLLER - 1.9 DIA X 26 5/8
50	1	450987	BRUSH ASSY - 30" CARRIAGE
51	1	452729	VGS HVF Photo High Channel
52	1	728400	VGS BELT Gear Belt 3/8" Pitch x 3/4" Wide x 38.50 HD KEVLAR
53	1	731114	HOW PD SENS OR EQUIV. N221-069

ORION PACKAGING INC.	
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.	
CARRIAGE 30PL-IC-HVY-150	
TITLE	FINISH
TOLERANCE SURFACE AREA DIMS NO	0356036

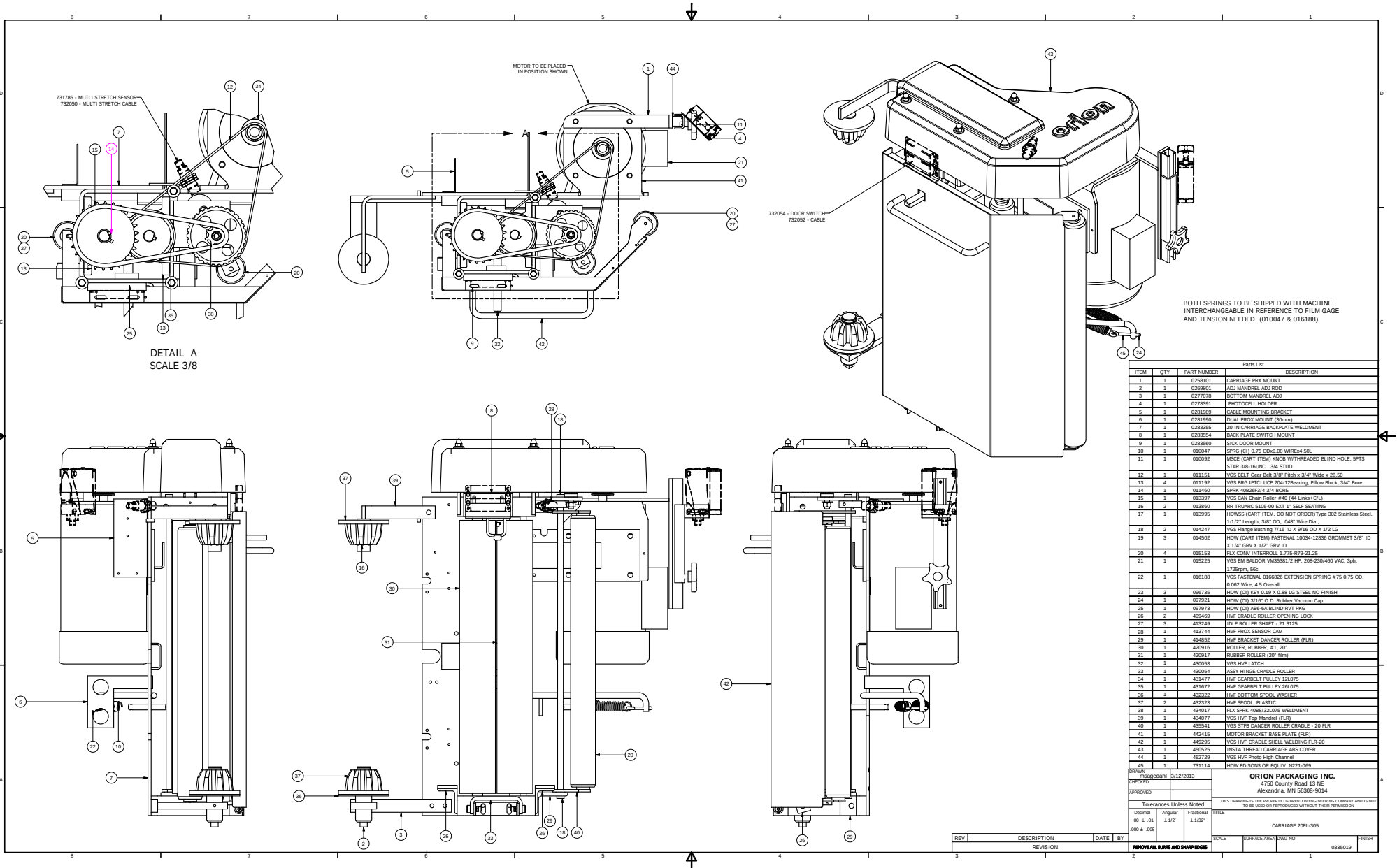
731955 (2) - SENS TOP & BOTTOM LIMIT PROX'S
732048 (1) - PATCH CABLE MURR
732051 (1) - RT ANGLE CABLE - MURR

REV	DESCRIPTION	DATE	BY
1	REVISION		



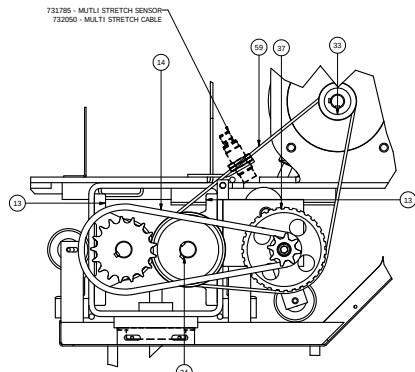
BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE IN REFERENCE TO FILM GAUGE
AND TENSION NEEDED. (010047 & 010188)

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	00247113	MVA CHANNEL GLUE
2	1	0258101	CARRIAGE PEX MOUNT
3	1	0259901	ADD MANDREL ADJ ROD
4	1	0277078	BOTTOM MANDREL ADJ
5	1	0278391	PHOTOCELL HOLDER
6	1	0281889	CABLE MOUNTING BRACKET
7	1	0281960	CABLE RIGID MOUNT (DOWN)
8	1	0283350	20 IN CARRIAGE BACKPLATE WELDMENT
9	1	0283554	BACK PLATE SWITCH MOUNT
10	1	0303560	BACK DOOR MOUNT
11	1	0303879	ROLLER HOLDER
12	2	0303880	ROPEING ROLLER
13	1	0327403	ROLLER CHANNEL
14	1	0327404	ROLLER HOUSING
15	1	010047	SPRNG (CI) 0.75 ODx0.08 WIRE#4 50L
16	3	010092	WIDE (CART ITEM) KNOB W/THREADED BLIND HOLE, SPTS PTAR 3/8-36UNC 3/4 STD
17	1	011151	VGS BELT Sew Belt 3/8" Pitch x 3/4" Wide x 28.50
18	4	011192	VGS BRG IPTCI UCP 204-12bearing Pillow Block 3/4" Bore
19	1	013397	VGS CAN CRWR Roller #40 (44 LINK-C13)
20	2	013860	WR TRIMING 1009-50 EXT 1" SELF SEATING
21	1	013966	HOWES (CART ITEM. DO NOT ORDER!)type 302 Stainless Steel, 1-1/2" Length, 3/8" OD, .040" Wire Dia.
22	2	014247	VGS Range Bushing 1/16 ID X 9/16 OD X 1.12 LG
23	3	014502	HOW (CART ITEM) FASTENAL 10034-12836 GROMMET 3/8" ID X 1/4" GRW X 1/2" GRW ID
24	4	015313	PLX CORV INTERROLL 1.715-R79-21.28
25	1	015525	VGS EM BALDOR VM53581/2 HP, 208-230/460 VAC, 3ph, 1725rpm, 56c
26	1	016388	VGS FASTENAL 1006626 EXTENSION SPRING #75 0.75 OD, 0.062 Wire, 4.5 Overall
27	4	084785	CPLG COLLARS & CPLG CCI-50-2-50-50 SHAFT COLLAR
28	3	086735	HOW (CI) KEY 0.13 X 0.88 LG STEEL NO FINISH
29	1	087921	HOW (CI) 1/2" O.D. ROLLER MOUNTING CAP
30	1	087973	HOW (CI) ASS-BL BLIND RVT PKG
31	2	409469	MVF CRADLE ROLLER OPENING LOCK
32	3	413249	DOLE ROLLER SHAFT 21.3125
33	1	413744	MVF PROX SENSOR CAM
34	1	414852	MVF BRACKET DANGER ROLLER (FLR)
35	1	420916	ROLLER RUBBER 31, 20"
36	1	420917	RUBBER ROLLER (DOT Rim)
37	1	430053	VGS MVF LATCH
38	1	430054	ASSY HINGE CRADLE ROLLER
39	1	431477	MVF GEARBELT PULLEY 26L075
40	1	431672	MVF GEARBELT PULLEY 26L075
41	1	432322	MVF BOTTOM SPOOL WASHER
42	2	432323	MVF SPOOL PLASTIC
43	1	436829	PLX MVF TENSION SCREW
44	1	434017	VGS STE DANGER ROLLER CRADLE - 20 FLR
45	1	434077	VGS STE 10 Mandrel (FLR)
46	1	435241	VGS STE DANGER ROLLER CRADLE - 20 FLR
47	1	435715	PLX SPROCKET 40B24 SPECIAL
48	1	442415	MOTOR BRACKET BASE PLATE (FLR)
49	1	440526	VGS MVF CRADLE SHELL WELDING R-30
50	1	450525	DATA THREAD CARRIAGE ABS COVER
51	1	452729	VGS MVF Photo High Channel
REVISIONS			
DLZ	01/09/2013	ORION PACKAGING INC.	
CHECKED		1750 County Road 13 NE	
		Alexandria, MN 56308-9014	
TOLERANCES UNLESS NOTED		THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION.	
Decimal ± .01	Angular ± 1/2°	Fractional ± 1/32"	TITLE
CARRIAGE 20FL-MR-260			
REV	DESCRIPTION	DATE	BY
1	REVISION		
SURFACE AREA (SQ IN) NO. 0342220			

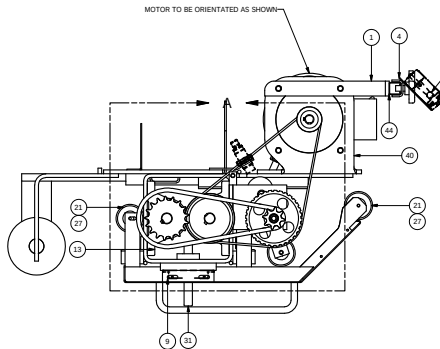


BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE IN REFERENCE TO FILM GAGE
AND TENSION NEEDED. (010047 & 016188)

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	025103	CARRIAGE PEX MOUNT
2	1	0269803	ADJ MANDREL ADJ ROD
3	1	0277078	BOTTOM MANDREL ADJ
4	1	0276393	PHOTOCELL HOLDER
5	1	0281889	CABLE MOUNTING BRACKET
6	1	0281990	DUAL PEX MOUNT (30mm)
7	1	0283555	20 IN CARRIAGE BACKPLATE WELDMENT
8	1	0283554	BACK PLATE SWITCH MOUNT
9	1	0283660	DOOR DOOR MOUNT
10	1	010047	SPRNG (CI) 0.75 ODx0.08 WIRE#4 S&L
11	1	010092	WIDE (CARP 175M) INCH W/THREADED BLIND HOLE, SPTS STAR 3/8-16UNC 3/4 STD
12	1	011151	VGS BELT Gear Belt 3/8" Pitch x 3/4" Wide x 28.50
13	4	011182	VGS BRD SPTCL USF 204-12bearing, Pillow Block, 3/4" Bore
14	1	011460	SPRK 408SP/3/4 BORE
15	1	013387	VGS CAN Chain Roller #40 (44 Links+CL)
16	2	013860	BR THROGMC 5125-00 EXT 1" SELF SEATING
17	1	013895	POWDS (CARP ITEM, DO NOT ORDER)Type 302 Stainless Steel, 1-1/2" Length, 3/8" OD, .048" Wire Dia.
18	2	014247	VGS Flange Bearing 7/16 ID x 9/16 OD x 1/2 LG
19	3	014602	HOW (CARP 175M) PASTENAL 10034-12836 GROMMET 3/8" ID x 1/4" GRV x 1/2" GRV ID
20	4	015153	FLX CONV INTERROLL 1.775-R78-21.25
21	1	015225	VGS RM BALDOR VM538B1/2 HP, 208-230/480 VAC, 3- 1/250rpm, 56C
22	1	016188	VGS PASTENAL 0166826 EXTENSION SPRING #75 0.75 OD, 0.062 Wire, 4.5 Overall
23	3	096735	HOW (CI) 3/16 x 0.08 LG STEEL NO FINISH
24	1	097921	HOW (CI) 3/16" O.D. Rubber Vacuum Cap
25	1	097973	HOW (CI) ABS-6A BLIND RVT PKG
26	2	420469	HVP CRADLE ROLLER OPENING LOCK
27	3	413249	SOLE ROLLER SHAFT - 21.3125
28	1	413744	HVP PRICK SENSOR CAM
29	1	414852	HVP BRACKET DANCER ROLLER (FLR)
30	1	420916	ROLLER, RUBBER, FL, 20"
31	1	420917	RUBBER ROLLER (20" Inn)
32	1	430053	VGS HVP LATCH
33	1	430054	WSP HANGS CRADLE ROLLER
34	1	431477	HVP GEARBELT PULLEY 28L075
35	1	431672	HVP GEARBELT PULLEY 28L075
36	1	432262	HVP BOTTOM SPOOL WASHER
37	2	432323	HVP SPOOL, PLASTIC
38	1	434017	FLX SPRK 408B/25L075 WELDMENT
39	1	434077	VGS HVP Top Mandrel (FLR)
40	1	435241	VGS STEE DANCER ROLLER CRADLE - 20 FLR
41	1	442415	MOTOR BRACKET BASE PLATE (FLR)
42	1	449295	VGS HVP CRADLE SHELL WELDING FLR 20
43	1	450526	WETA THROG CARRIAGE ABS COVER
44	1	452729	VGS HVP Photo High Channel
45	1	731114	HOW PD SONS OR EQUIV. N221-069
ORION			
misagadeh 10/12/2013			
CHENYU			
APPROVED			
Tolerances Unless Noted			
Decimal	Angular	Fractional	
.00 ± .01	± 1/2°	± 1/32"	
.00 ± .005			
THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION.			
TITLE			
CARRIAGE 20FL-305			
DATE			
03/30/15			
FINISH			
0335015			

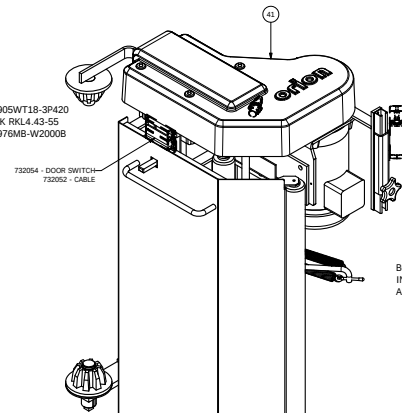


DETAIL A
SCALE 3/8



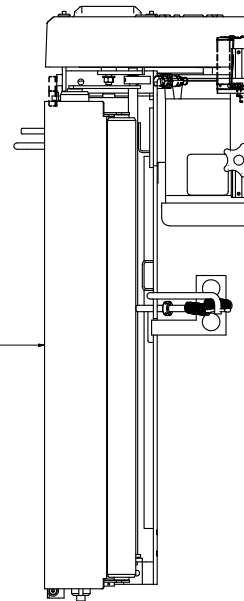
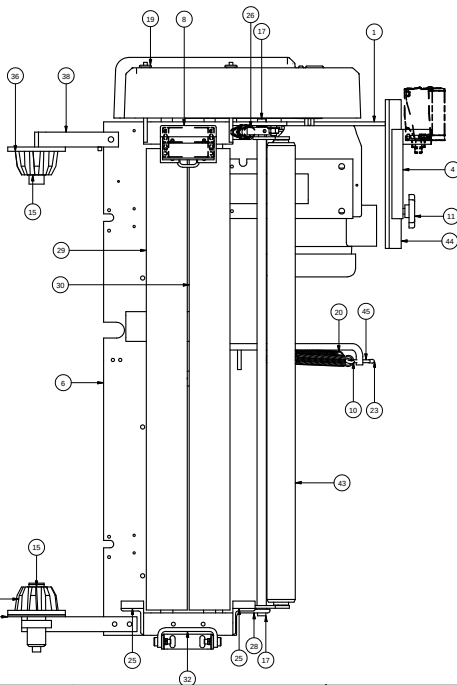
MOTOR TO BE ORIENTATED AS SHOWN

729603 - SENS 1025905WT18-3P420
729580 - SENS TURCK R4LA 43-55
716301 - SENS 7022976MB-W20008



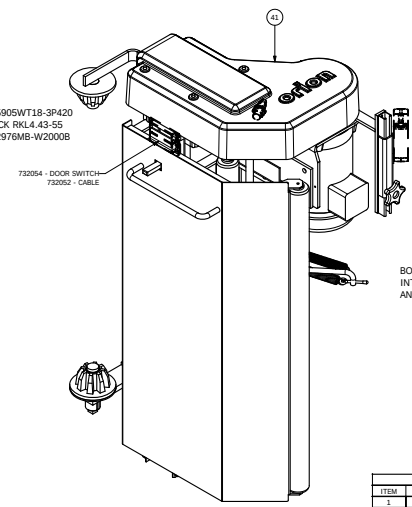
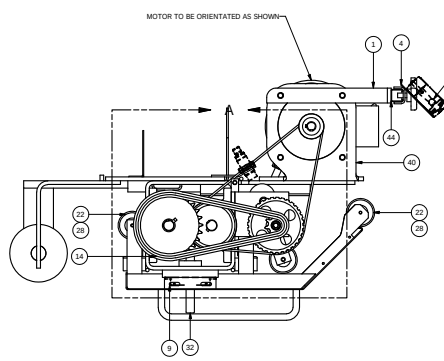
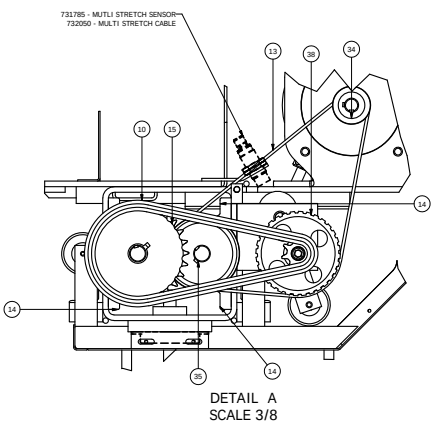
BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE SPRINGS ACCORDING TO FILM GAGE
AND TENSION NEEDED. (010047 & 016188)

731955 (2) - SENS TOP & BOTTOM LIMIT PROX'S
732048 (1) - PATCH CABLE - MURR
732051 (1) - RT ANGLE CABLE - MURR

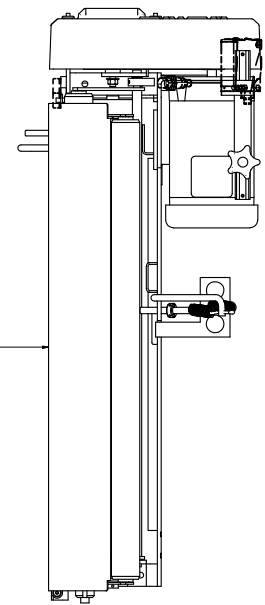
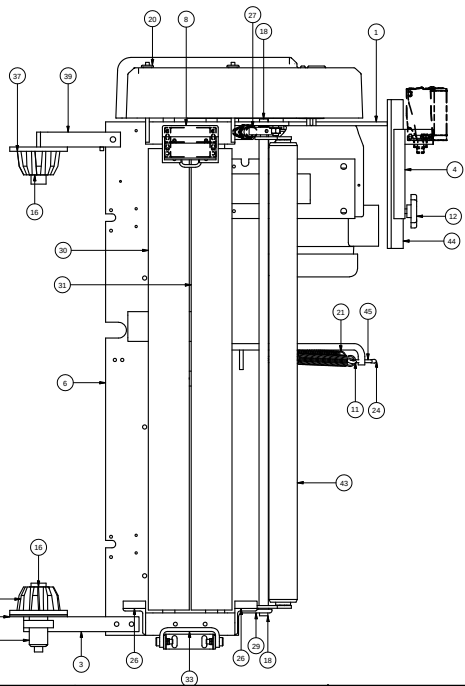
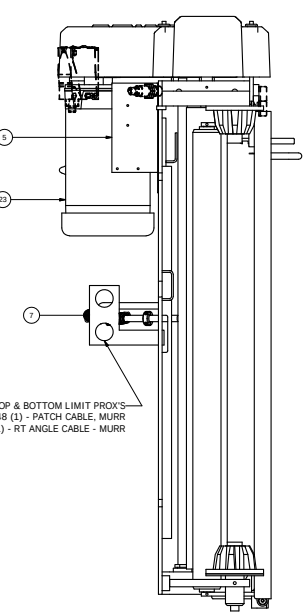


Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	026001	CARRIAGE PIV MOUNT
2	1	026001	ADJ MANDREL ADJ ROD
3	1	027708	BOTTOM MANDREL ADJ
4	1	027801	PHOTOCELL HOLDER
5	1	026188	CABLE MOUNTING BRACKET
6	1	026335	20 IN CARRIAGE BACK PLATE WELDMENT
7	1	026376	30" CARRIAGE DUAL PROX MOUNT (30mm)
8	1	026354	BACK PLATE SWITCH MOUNT
9	1	026350	SLICK DOOR MOUNT
10	1	010047	SPRNG (CJ) 0.75 CDx0.08 WIREx4.50L
11	1	010092	WIDE (CART ITEM) WIDE WITH HEADED BLIND HOLE, SPTS
12	4	011192	VGS BRG (FPC) UCP 204-128mm, Pillow Block, 3/4" Bore
13	1	011397	VGS CAN Chain Roller #40 (44 Lines+C/L)
14	1	011397	VGS CAN Chain Roller #40 (44 Lines+C/L)
15	2	011395	PH THRU HOLE 5/16" ID EXT 1" SELF SEATING
16	1	011395	HOWES (CART ITEM, DO NOT ORDER) Type 302 Stainless Steel, 1-1/2" Length, 3/8" OD, .048" Wire Dia.
17	2	014247	VGS PIVOT BUSHING 7/16" ID x 9/16" OD x 1/2 LG
18	1	099837 (014406)	VGS Spring Pin Bolted, 3/16 x 1-1/2
19	3	014502	HOW (CART ITEM) FASTENAL 10034-12836 GRAMMET 3/8" ID x 1-1/4 GRW x 1-1/2 GRW ID
20	1	016188	VGS FASTENAL 10034-12836 GRAMMET 3/8" ID x 1-1/4 GRW x 1-1/2 GRW ID
21	3	017687	ROLLER AL 30"
22	1	094554	ON BALCOOR VASB46 1.00 HP SAG
23	1	097921	HOW (CJ) 3/16" O.D. Rubber Vacuum Cap
24	1	097973	HOW (CJ) ABS 6A BLIND RVT PKG
25	2	406469	HVP LADGE ROLLER OPENING LOCK
26	1	413744	HVP PROX SENSOR CAM
27	3	414385	HVP IDLE ROLLER SHAFT - 3/16" LG
28	1	414882	HVP BRACKET DANCER ROLLER (FLR)
29	1	420918	FLX CONV ROLLER RUBBER #1 30" LONG
30	1	420919	FLX CONV ROLLER RUBBER #2 30" SHORT
31	1	430063	VGS HVP LATCH
32	1	430064	KEY HINZE CRADLE ROLLER
33	1	431477	HVP GEARBELT PULLEY 12L075
34	1	431672	HVP GEARBELT PULLEY 26L075
35	1	432322	HVP BOTTOM WPOOL WASHER
36	2	432323	HVP WPOOL PLASTIC
37	1	434017	FLX SPRK 408W/30L075 WELDMENT
38	1	434077	VGS HVP Top Mandrel (FLR)
39	1	442433	MOTOR BRACKET BASE PLATE (FLR)
40	1	450625	INSTA THREAD CARRIAGE ABS COVER
41	1	450578	CRADLE ROLLER SHELL WELDING
42	1	450741	CARRIAGE ROLLER ASSEMBLY
43	1	452729	VGS HVP Photo High Channel
44	1	731114	HOW PD SENS OR EQUIV N221-069
45	1	728400	VGS BELT Gear Belt 3/8" Pitch x 3/4" Wide x 28.50 HD
46	1	011452	SPROCKET 40B17

DWG NO. 4/26/2012		ORION PACKAGING INC.	
CHECKED		4750 County Road 13 NE	
APPROVED		Alexandria, MN 56308-9014	
Tolerances Unless Noted		THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION.	
Decimal ± .01	Angular ± .1/2°	Fractinal ± 1/32"	FILE
± .005			
REV		DESCRIPTION	DATE BY
REVISION			
REMOVAL BURS AND SHARP EDGES			
TITLE		CARRIAGE 30L-HVY-150	
FILE		SURFACE AREA (SQ IN)	FINISH
		0320262	



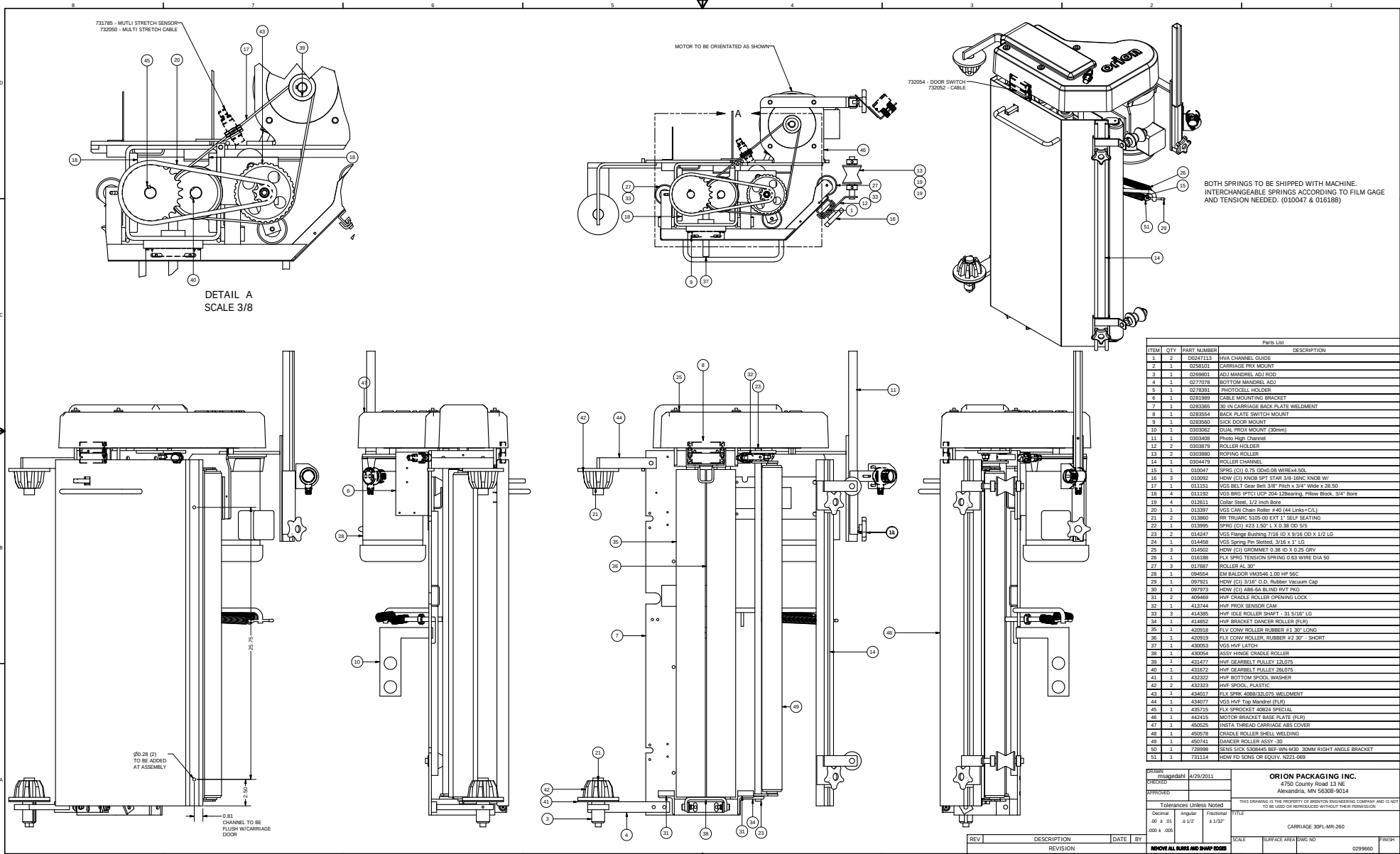
BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE SPRINGS ACCORDING TO FILM GAGE
AND TENSION NEEDED. (010047 & 016188)



Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	0268101	CARRIAGE PIVOT MOUNT	
2	1	0269803	ADJ MINIMISE ADJ ROD	
3	1	0270778	BOTTOM MANDREL ADJ	
4	1	0276393	PHOTOCODE HOLDER	
5	1	0281989	CABLE MOUNTING BRACKET	
6	1	0282962	3D IN CARRIAGE BACK PLATE WELDMENT	
7	1	0282972	3D IN CARRIAGE BACK PLATE WELDMENT (20mm)	
8	1	0283554	BACK PLATE SWITCH MOUNT	
9	1	0283560	SICK DOOR MOUNT	
10	1	0300074	CHAIN BRKAK, 440 - 48 P x 1 CONN	
11	1	030047	SPRS (C) 0.75 ODx0.08 WIREx4.50L	
12	1	030092	WIDE (CART ITEM) KNOB W/THREADED BLIND HOLE, SPTS	
13	1	031153	VSS BELT Grov Belt 3/8" Pitch x 3/4" Wide x 28.50	
14	4	031162	VGS BRG (PTC) UCP 204-12Bearing, Pillow Block, 3/4" Bore	
15	1	031463	VGS SPRK 40827 750 BORE	
16	2	031860	HP THRUW 5326-03 EXT 1" SELF SEATING	
17	1	031995	HOWES (CART ITEM) DO NOT ORDER!Type 302 Stainless Steel, 1-1/2" Length, 3/8" OD, .048" Wire Dia.	
18	2	034247	VGS Pumping Blowing 7718 ID x 9/16 OD x 3/2 LG	
19	1	034468	VGS Spring Pin Stiffened, 3/16 x 1-1/2	
20	3	034502	HOW (CART ITEM) FASTENAL 10034-12836 GROMMET 3/8" ID x 1/4" OD x 1/2" GPR ID	
21	1	036388	VGS FASTENAL 036388 EXTENSION SPRING 475 0.75 OD, 0.062 Wire, 4.5 Overal	
22	3	037687	ROLLER AL 30"	
23	1	040454	SH BALDOON VMS460 1 DO HP SEC	
24	1	057921	HOW (C) 3/8" O.D. Rubber Vacuum Cap	
25	1	057973	HOW (C) ABS 6A BLIND RVT PKG	
26	2	408469	HVP CHANCE ROLLER OPENING LOCK	
27	1	413744	HVP PROX SENSOR CAM	
28	3	414385	HVP ISLE ROLLER SHAFT - 31 5/16" LG	
29	1	414892	HVP BRACKET DANCER ROLLER (LH)	
30	1	420918	PLX CONV ROLLER RUBBER #1 30" LONG	
31	1	420919	PLX CONV ROLLER, RUBBER #2 30" SHORT	
32	1	420923	VGS HVP LATCH	
33	1	420954	HVP MINIMISE CRADLE ROLLER	
34	1	431477	HVP GEARBELT PULLEY 12L075	
35	1	431672	HVP GEARBELT PULLEY 28L075	
36	1	432222	HVP BUTTLE SPOOL WASHER	
37	2	432223	HVP SPOOL PLASTIC	
38	1	434017	PLX SPRK 4088/25L075 WELDMENT	
39	1	434077	VGS HVP Top Member (PSV)	
40	1	442452	MOTOR BRACKET BASE PLATE (PSV)	
41	1	450525	INSTA THREAD CARRIAGE ABS COVER	
42	1	450578	CRADLE ROLLER SHELL WELDING	
43	1	450741	MANDREL ROLLER ASSEMBLY	
44	1	452729	VGS HVP Photo High Channel	
45	1	731114	HOW PD SENS OR EQUIV. N221-069	

PREPARED mtagedahl 6/14/2011		ORION PACKAGING INC. 4750 County Road 13 NE Alexandria, MN 56308-9014	
APPROVED Tolerances Unless Noted Decimal .00 ± .01 .00 ± .005		THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION.	
TITLE CARRIAGE 30PL-300	DATE 6/14/2011	SURFACE AREA (SQ IN) 0303073	FINISH 0303073

REV	DESCRIPTION	DATE	BY
1	REVISION		



BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE SPRINGS ACCORDING TO FILM GAGE
AND TENSION NEEDED. (010047 & 016188)

ORION
Packaging
4/29/2011

CHECKED

APPROVED

Tolerances Unless Noted

Decimal ± .01 ± .005	Angular ± 1/2° ± 1/32°
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THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT
TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION.

TITLE
CARRIAGE 30PL-MR-260

FILE

SURFACE AREA DRWG NO
0295660

FINISH

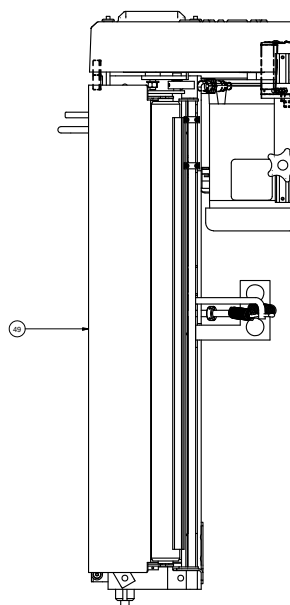
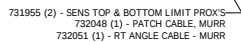
ORION PACKAGING INC.

4750 County Road 13 NE
Alexandria, MN 56308-9014

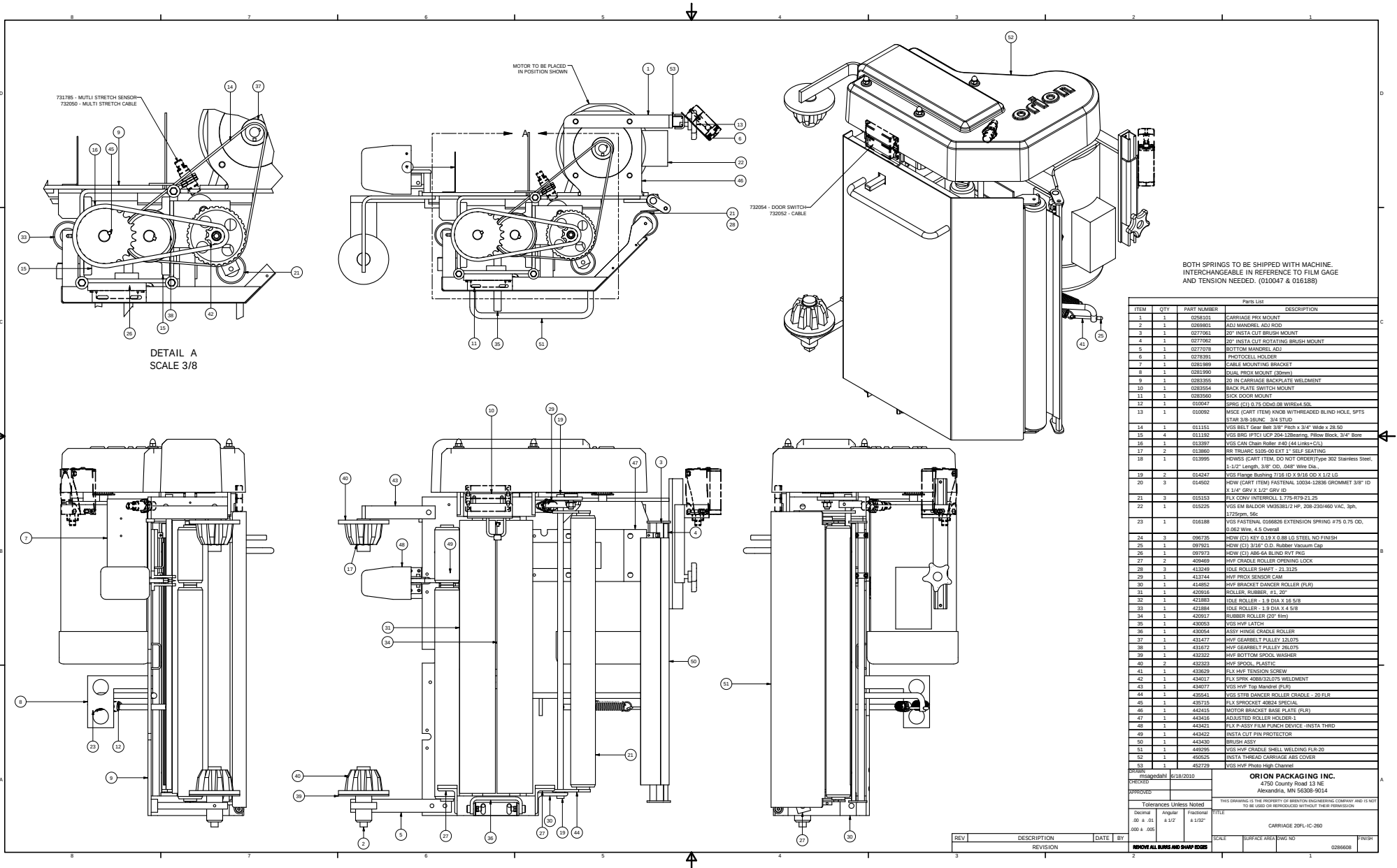
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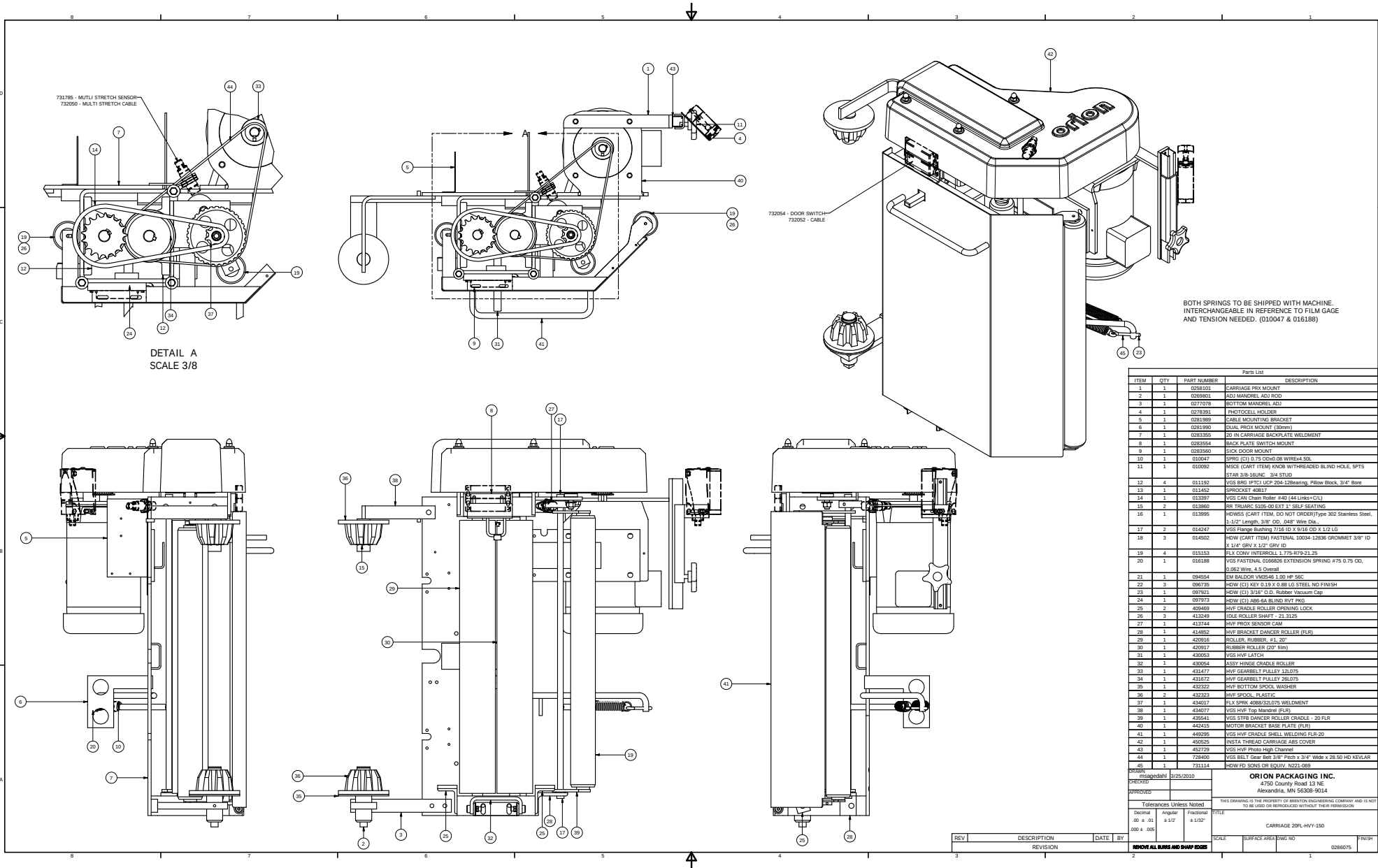


			Part List		DESCRIPTION	
ITEM	QTY	PART NUMBER				
1	1	0282032		CARRIAGE IRON MOUNT		
2	1	0282062		ADJ. WASHER, 3/4" ID		
3	1	0277058		3/8" INSTA CUT BRUSH MOUNT		
4	1	0277059		3/8" INSTA CUT INSTATING BRUSH MOUNT		
5	1	0277079		ROCK MOUNT BRUSH		
6	1	0277086		3/8" PUMP BRUSH HOLDER		
7	1	0279393		PHOTOCELL HOLDER		
8	1	0281389		2 1/2" X 1/2" MOUNTING BRACKET		
9	1	0283365		30 IN CARTRIDGE BACK PLATE WELDMENT		
10	1	0283376		3/8" CARTRIDGE DUAL IRON MOUNT (30mm)		
11	1	0283377		1/2" PLATE SWITCH MOUNT		
12	1	0283660		500 CK DOWN		
13	1	0310047		SPRING (0.75 CD) 0.50 IN WIRELESS SOL		
14	1	0300602		SCREW (CARTRIDGE AND KNOB) CR6200 7/16 IN DIA. 9/16 IN. 3/4 IN. 16-UNC. 3/4 STD		
15	1	0311351		VEE BELT 3/8" CH "3/8" Pitch x 3/4" WIDE x 28.50		
16	1	0311352		VEE BELT 3/8" CH "3/8" Pitch x 3/4" WIDE x 28.50		
17	1	0310397		VEE BELT 3/8" CH "3/8" Pitch x 3/4" WIDE x 28.50		
18	1	0310396		BR TRIMMER 1/200 0.50 IN X 1/2" SELF SEATING		
19	1	0310395		KNOBS (CARTRIDGE AND KNOB) CR6200 7/16 IN DIA. 9/16 IN. 3/4 IN. 16-UNC. 3/4 STD		
20	2	0314627		VEE RUMBLE THUNDER 1/2 IN X 1/2 IN X 1/2 IN		
21	2	0314628		VEE RUMBLE THUNDER 1/2 IN X 1/2 IN X 1/2 IN		
22	1	0314602		HOW (CARTRIDGE) FASTENED 1/2 IN X 1/2 IN X 1/2 IN		
23	1	0316188		VEE RUMBLE THUNDER 1/2 IN X 1/2 IN X 1/2 IN		
24	2	0316787		VEE RUMBLE IRON 30"		
25	1	0316788		IN BALCON METER 1.20 IN 96C		
26	1	0316789		HOW (C) 3/8" ID. RUBBER VENTHUB CUT		
27	1	0316793		HOW (C) 1/8" 64 BLIND RPT. LOCK		
28	2	0316794		HOW (C) 1/8" 64 BLIND RPT. LOCK		
29	2	0316795		HOW (C) 1/8" 64 BLIND RPT. LOCK		
30	1	0316796		HOW (C) 1/8" 64 BLIND RPT. LOCK		
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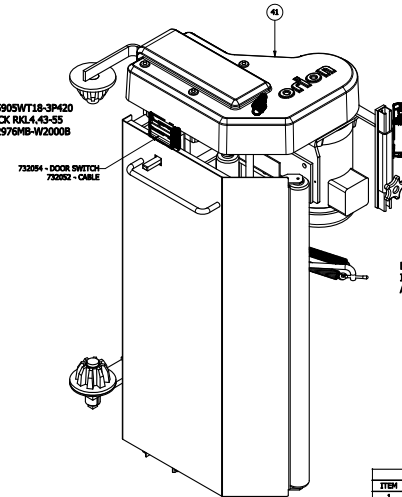
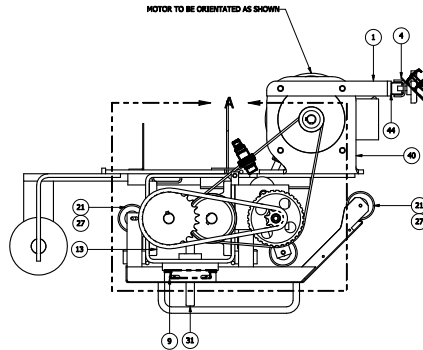
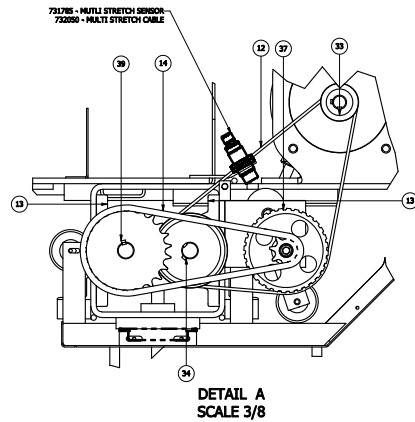


BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE IN REFERENCE TO FILM GAGE
AND TENSION NEEDED. (010047 & 016188)

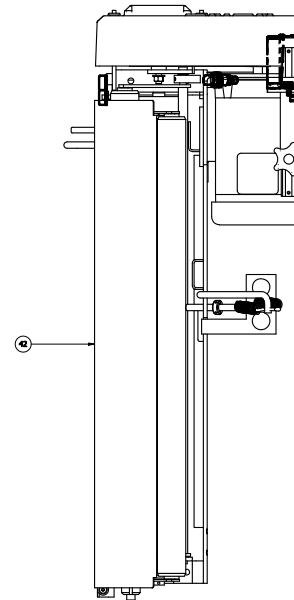
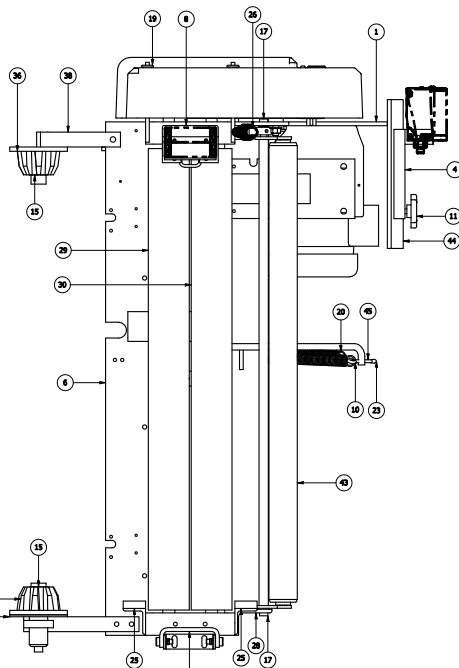
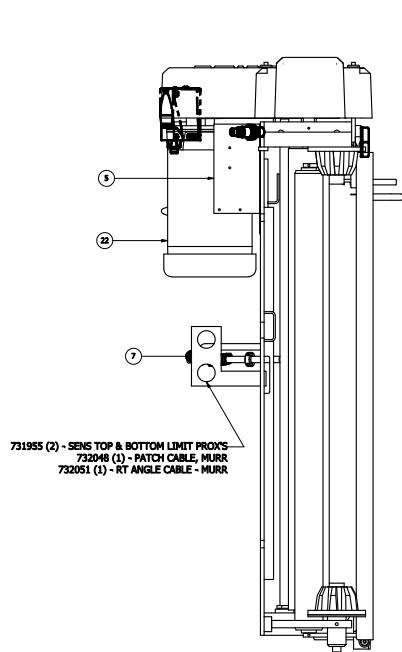
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0258101	CARRIAGE PREX MOUNT
2	1	0369001	ROD MANDREL AND ROD
3	1	0277061	20" INSTA CUT BRUSH MOUNT
4	1	0277062	20" INSTA CUT ROTATING BRUSH MOUNT
5	1	0277078	BOTTOM MANDREL AND
6	1	0276301	PHOTOCELL HOLDER
7	1	0281989	CABLE MOUNTING BRACKET
8	1	0281990	DUAL PREX MOUNT (20mm)
9	1	0282265	20 IN CARRIAGE BACKPLATE WELDMENT
10	1	0283554	BACK PLATE SWITCH MOUNT
11	1	0283560	SICK DOOR MOUNT
12	1	010047	SPRNG (C1) 0.75 CONDLBR WITHM4 BOL
13	1	010092	WIDE CART ITEM INDEX WITHREADED BLIND HOLE, SPTS
14	1	011151	STAR 3/8-16UNC 3/4 STUD
15	1	011152	VSS BELT Gear Bell 3/8" Pitch x 3/4" Wide x 28.50
16	4	011397	VSS BSE (C1) 1/2" DIA-1/2" BOREING, PHOS BLOC, 3/4" Bore
17	2	013980	VR TRIMARC 5105-00 EXT 1" SELF SEATING
18	1	013996	POWDS CART ITEM, DO NOT ORDER! type 302 Stainless Steel, 1-1/2" Length, 3/8" OD, .048" Wire Dia.
19	2	014247	VSS Flange Bushing 7/16 ID X 9/16 OD X 1/2 LG
20	3	014502	HOW CART ITEM) PASTENAL 10034-12636 GROMMET 3/8" ID X 1/4" OD X 1/2" OD W ID
21	3	015153	PLX CONV INTERROLL L 775-R79-21.25
22	1	016225	VSS EM BALDOR VM038B1/2 HP, 208-230/460 VAC, 3ph, 1725rpm, 56C
23	1	016188	VSS FASTENAL 016628 EXTENSION SPRING 975 0.75 OD, 0.062 Wire, 4.5 Overall
24	3	096726	HOW (C1) KEY 1.9 X 0.38 LG, STEEL NO FINISH
25	1	097921	HOW (C1) 3/16" O.D. Rubber Vacuum Cap
26	1	097973	HOW (C1) ABS-6A BLIND RVT PKG
27	2	420468	MVF CRADLE ROLLER OPENING LOCK
28	2	412509	IDLE ROLLER SHAFT, 21-3125
29	1	413744	MVF PROX SENSOR CAM
30	1	414852	MVF BRACKET DANCER ROLLER (FLR)
31	1	420916	ROLLER ROLLER, 21, 20"
32	1	421883	IDLE ROLLER - 1.9 DIA X 16 5/8
33	1	421884	IDLE ROLLER - 1.9 DIA X 4 5/8
34	1	420917	ROLLER ROLLER (20" Bore)
35	1	430053	VSS MVF LATCH
36	1	430054	ASSY HINGE CRADLE ROLLER
37	1	431477	MVF GEARBELT PULLEY 12.075
38	1	431477	MVF GEARBELT PULLEY 26.075
39	1	432322	MVF BOTTOM SPOOL WASHER
40	2	432323	MVF SPOOL, PLASTIC
41	1	436229	PLX MVF TENSION SPOKE
42	1	434017	PLX SPRNG 4085-12.075 WELDMENT
43	1	434077	VSS MVF Top Mandrel (FLR)
44	1	438945	VSS 3/16 DANCER ROLLER CRADLE - 20 FLR
45	1	438715	PLX SPROCKET 4085A BRICAL
46	1	442415	MOTOR BRACKET BASE PLATE (FLR)
47	1	443418	ADJUSTED ROLLER
48	1	443421	PLX PASTENAL FILM PINCH DEVICE - INSTA THRD
49	1	443422	INSTA CUT PIN PROTECTOR
50	1	443430	BRUSH ASSY
51	1	440236	VSS MVF CRADLE SHELL WELDING FLR 3D
52	1	450525	INSTA THREAD CARRIAGE ABS COVER
53	1	452729	VSS MVF Photo High Channel
REVISIONS			
06/18/2010			
ORION PACKAGING INC.			
1750 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.			
Tolerances Unless Noted			
Decimal	Angular	Fractional	TYPE
.00 ± .01	± 1/2°	± 1/32"	
.000 ± .005			
CARRIAGE 20PL-1C-260			
REV	DESCRIPTION	DATE	BY
1	REVISION		
REMOVAL BURS AND SHARP EDGES			
FINISH			
0286608			



Part List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0258101	CARRIAGE PIN MOUNT
2	1	0269801	ADJ MANDREL ADJ ROD
3	1	0277028	BOTTOM MANDREL ADJ
4	1	0278351	PHOTOCELL HOLDER
5	1	0281989	CABLE MOUNTING BRACKET
6	1	0281990	DUAL PROX MOUNT (2PWR)
7	1	0282555	20 IN CARTRIDGE BRACKET WELDMENT
8	1	0283554	BACK PLATE SWITCH MOUNT
9	1	0283560	SHOCK DOOR MOUNT
10	1	010047	SPRNG (C) 3.75 ODH 28 WIRE#4 SS
11	1	010092	W/CE (CART ITEM) KNOB WITH-THREADED BLIND HOLE, SPTS
12	4	011192	STAR 3/8-16UNC 3/4 STUD
13	1	011452	W/CE BRG 1PC1 1C1P 204-12bearing, Pillow Block, 3/4" Bore
14	1	013367	W/CE CAN Chain Roller #40 (44 Links+CL)
15	2	013960	BR THRUAMC 5125-00 EXT 1" SELF HEATING
16	1	013995	POWDS (CART ITEM, DO NOT CREDIT)Type 302 Stainless Steel, 1-1/2" Length, 3/8" OD, .048" Wire Dia.
17	2	014247	W/CE Flange Bushing 7/16 ID x 9/16 OD x 1/2 LG
18	3	014602	HOW (CART ITEM) PASTONAL 10034-12636 GROMMET 3/8" ID x 1/4" GRV x 1/2" GRV ID
19	4	015153	FLX CONV INTERROLL 1.775-R79-21.25
20	1	016188	W/CE PASTONAL GROMMIN EXTENSION SPRING #75 0.75 OD, 0.062 Wire, 4.5 Overall
21	1	084554	EM BALDOR VM546 1.00 HP SEC
22	3	086735	HOW (C) KEY 0.19 X 0.88 LG STEEL NO FINISH
23	1	087921	HOW (C) 310P O.D. RUBBER VACUUM CAP
24	1	087973	HOW (C) ASS-BA BLIND RVT PKGS
25	2	409469	HVF CRADLE ROLLER OPENING LOCK
26	3	413249	DOLE ROLLER SWAPT 21-3125
27	1	413744	HVF PROX SENSOR CAM
28	1	414852	HVF BRACKET DANGER ROLLER (FLR)
29	1	420916	ROLLER RUBBER 31, 20"
30	1	420917	RUBBER ROLLER (2P Fin)
31	1	430053	W/CE HWF LATCH
32	1	430544	ASSY W/CE CRADLE ROLLER
33	1	431477	HVF GEARBELT PULLEY 26.075
34	1	431672	HVF GEARBELT PULLEY 26.075
35	1	432322	HVF BOTTOM SPOOL WASHER
36	2	432453	HVF SPOOL PLASTIC
37	1	434017	PLA SPRK ASSB 12.075 WELDMENT
38	1	434077	W/CE HWF Top Mandrel (FLR)
39	1	435441	W/CE STR DANGER ROLLER CRADLE - 20 FLR
40	1	442415	MOTOR BRACKET BASE PLATE (FLR)
41	1	442695	W/CE HWF CRADLE SHELL WELDING FLR 20
42	1	450525	INSTA THREAD CARRIAGE ABS COVER
43	1	457129	W/CE HWF Photo Head Channel
44	1	729400	W/CE BELT Gear 3/8" Pitch x 3/4" Wide x 28.50 HD KEVLAR
45	1	731114	HOW PD SENS OR EQUIV N221-069
REV 01/25/2010			
ORION PACKAGING INC.			
4750 County Road 13 NE			
Alexandria, MN 56308-9014			
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Tolerances Unless Noted			
Decimal	Angular	Fractional	
.00 ± .01	± 1/2°	± 1/32"	
.00 ± .005			
TITLE			
CARRIAGE 20L-HVY-150			
FILE			
DATE	SURFACE AREA (SQ IN)	NO	FINISH
02/26/07			



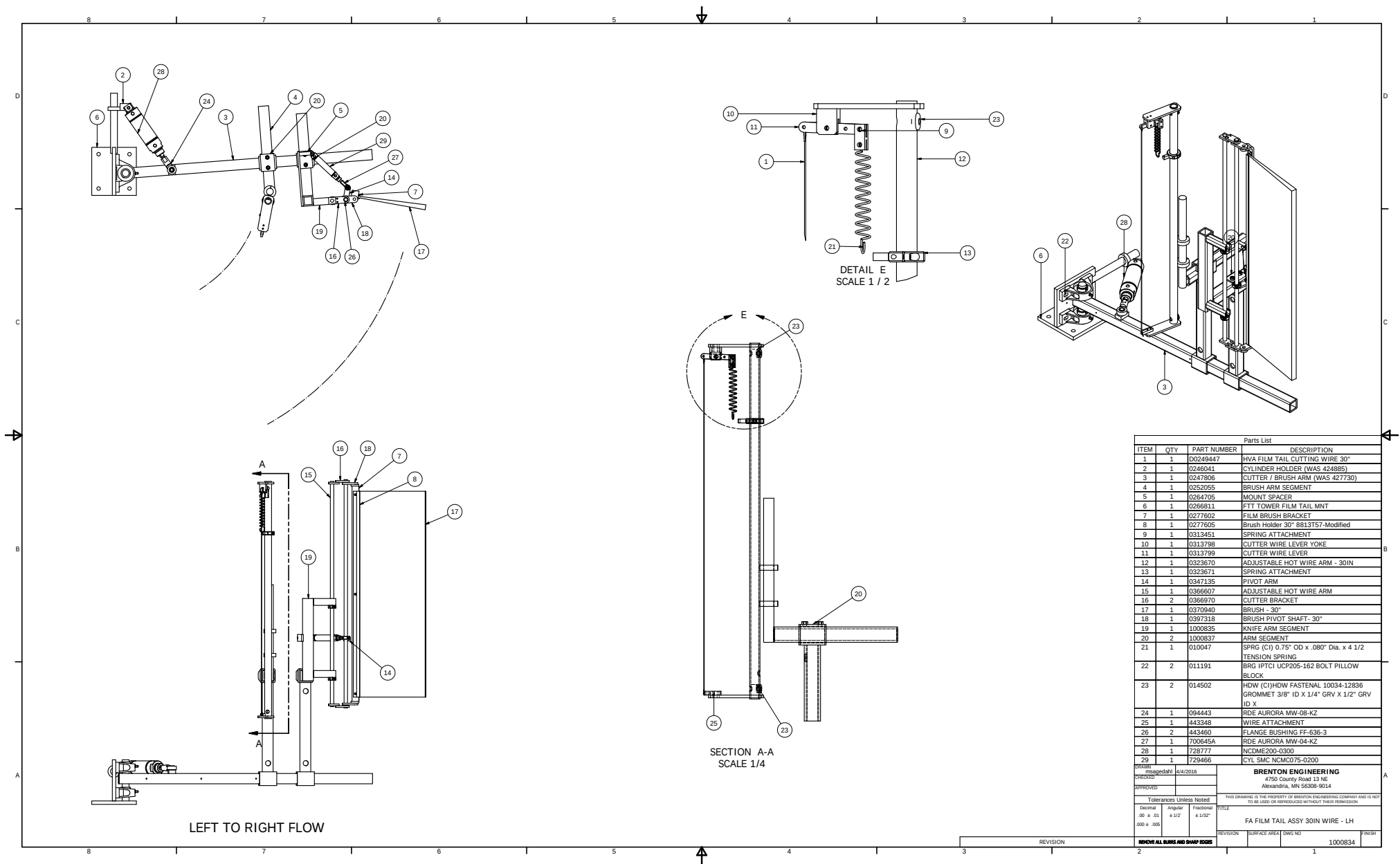
BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE SPRINGS ACCORDING TO FILM GAGE
AND TENSION NEEDED, (010047 & 016188)

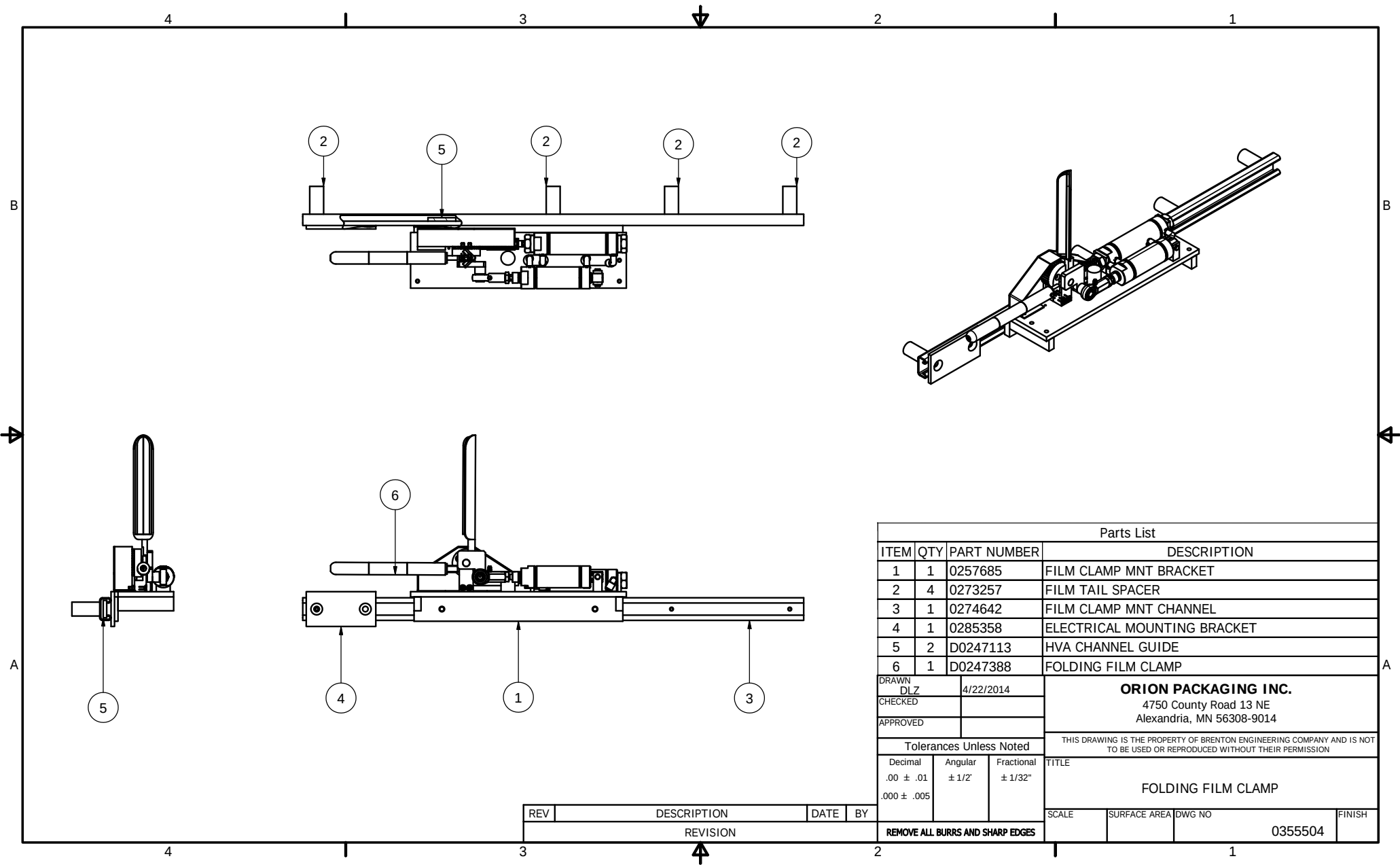


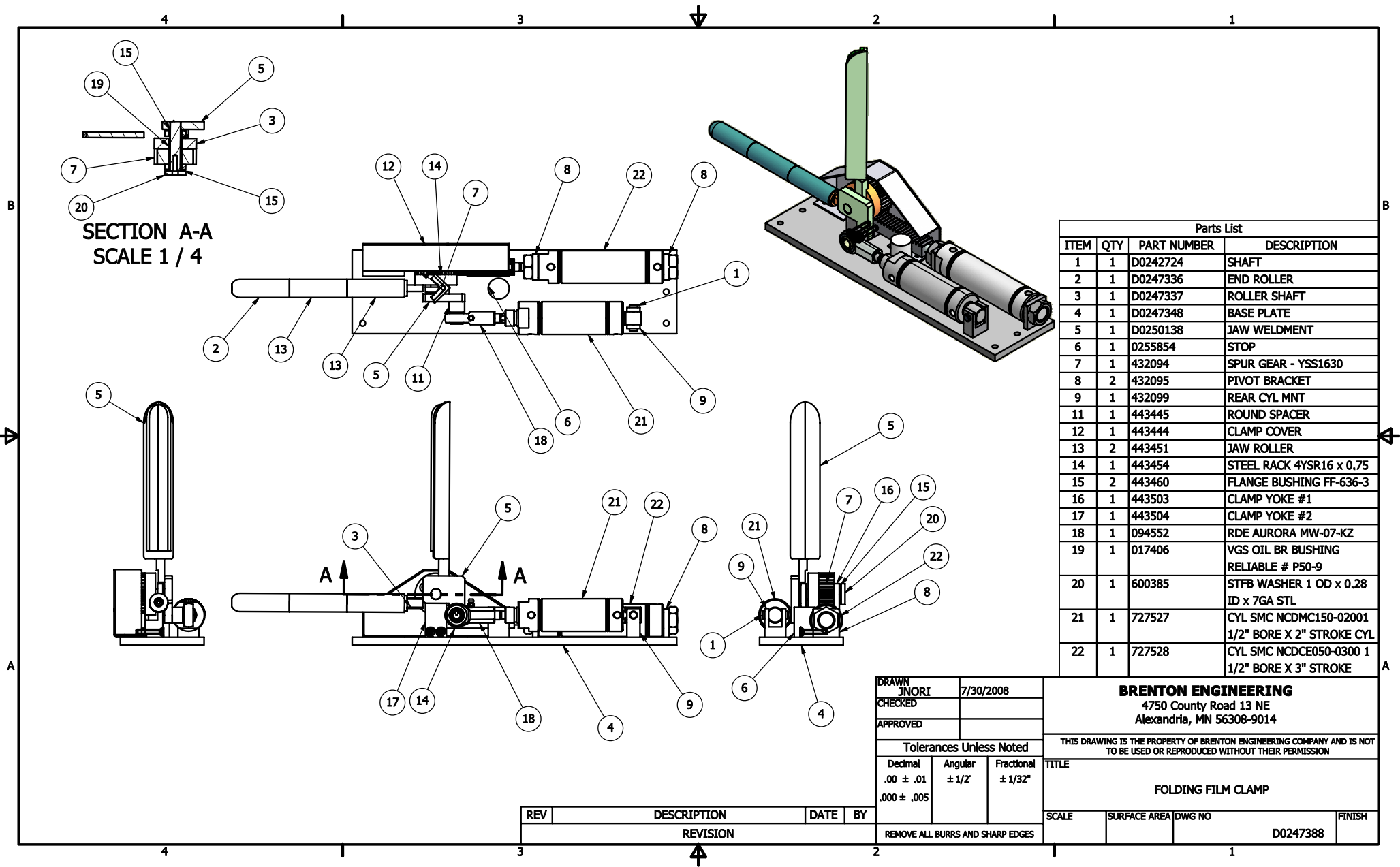
Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	028101	CARRIAGE PIV MOUNT	
2	1	028901	ADJ HANDREL ADJ ROD	
3	1	027078	BOTTOM HANDREL ADJ	
4	1	027091	PHOTOCELL HOLDER	
5	1	028198	CABLE MOUNTING BRACKET	
6	1	028060	3D IN CHARGE BACK PLATE WELDMENT	
7	1	028071	3D IN CHARGE DUAL PIVOT MOUNT (2000)	
8	1	028054	BACK PLATE SWITCH MOUNT	
9	1	028060	DOOR DOOR MOUNT	
10	1	010047	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
11	1	010002	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
12	1	011151	STAR 3/8-16UNC 3/4 STUD	
13	4	011152	VDS BELT Cover 3/4" x 3/4" x 3/4" W/4 x 3/8 ID	
14	1	013307	VDS ING SPEC LCP 204-13mming, P/Bloc, 3/4" Bore	
15	2	013600	VDS CAN Chain Roller #40 (44 Lmk+CL)	
16	1	013600	BR TYPING 3105-00 EXT 1" BELT BEATING	
17	1	013600	HEDGE (CART ITEM) DO NOT ORDERType 302 Stainless Steel, 1-1/2" Length, 3/8" OD, 3/8" W/4 Dia.	
18	1	014247	VDS Flange Bushing 7/16 ID X 5/16 OD X 1/2 LG	
19	3	014248	VDS Spring Pin Bottom, 3/16 x 1" LG	
20	1	014249	HEDGE (CART ITEM) FASTENAL 10024-12036 GRONMET 3/8" ID X 1/4" GRV X 1/2" GRV ID	
21	1	016188	VDS FASTENAL 050656 EXTENSION SPRING #75 0.75 OD, 0.62 W/4, 4.5 Overall	
22	1	017807	ROLLER AL 30"	
23	1	094001	SH BALCON VHS946 1.25 HP SAC	
24	1	027021	HEDGE (CART ITEM) O.D. Rubber Vacuum Cap	
25	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
26	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
27	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
28	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
29	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
30	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
31	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
32	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
33	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
34	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
35	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
36	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
37	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
38	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
39	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
40	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
41	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
42	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
43	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
44	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	
45	1	027021	HEDGE (CART ITEM) 1/2" W/THREADED BLIND HOLE, SPITS	

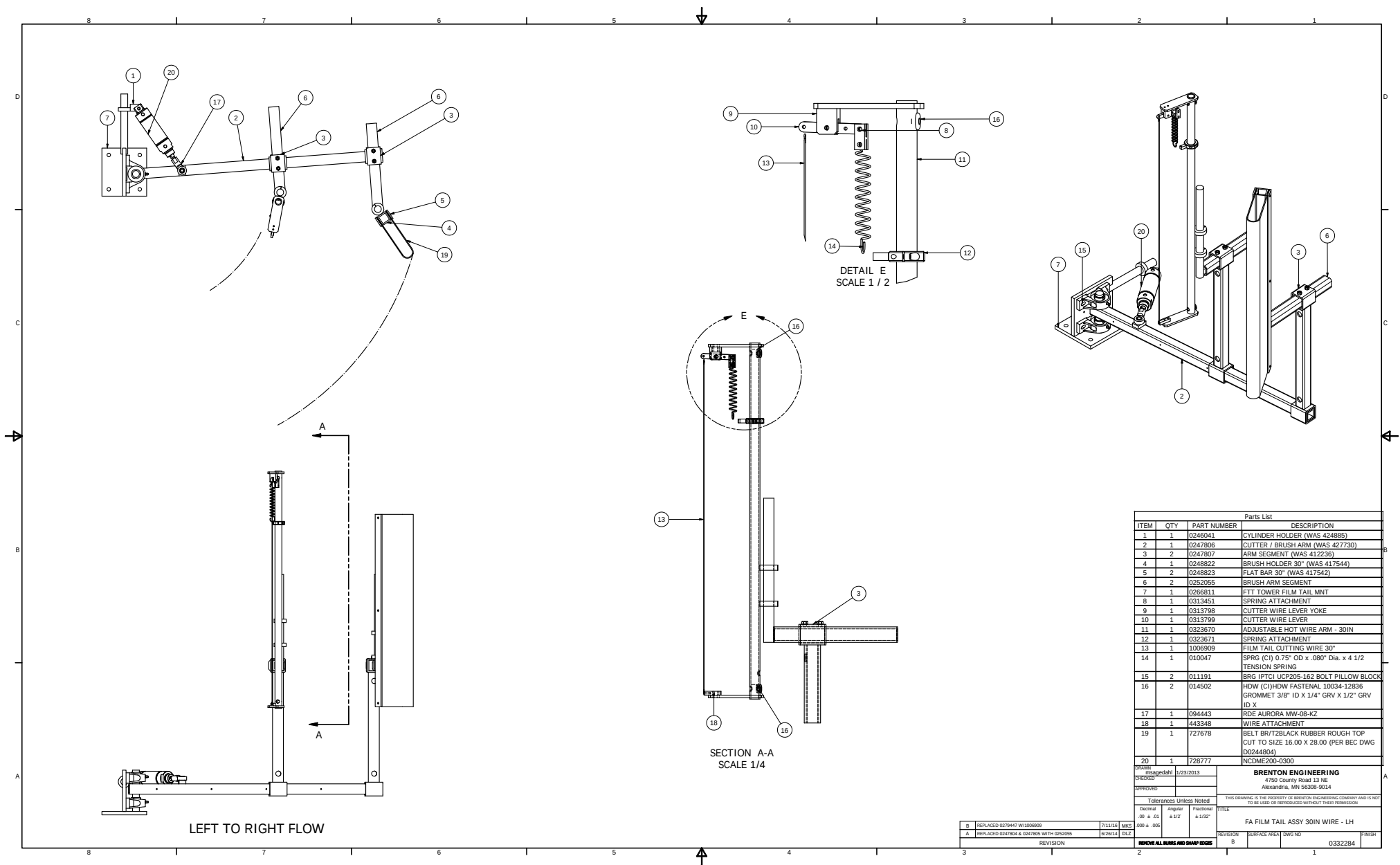
ORION PACKAGING INC. 1750 County Road 13 NE Alexandria, MN 56308-0014	
Drawn: 4/1/2010 Checked: 4/1/2010 Approved: 4/1/2010	Title: CARRIAGE 30PL-200 Scale: 1:1 Surface Area (sq in): 028380

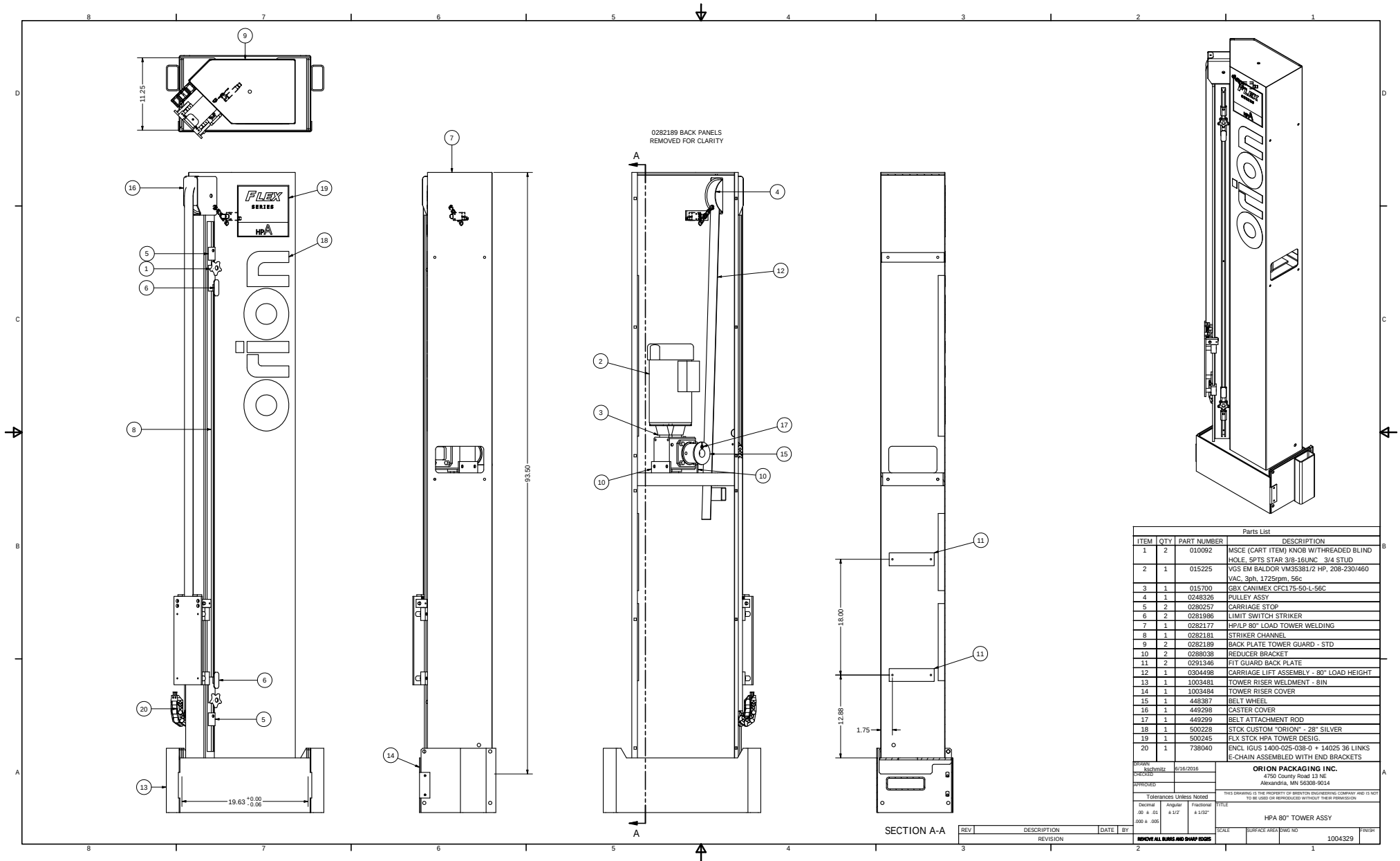
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0258101	CARRIAGE PRX MOUNT
2	1	0269801	ADJ MANDREL ADJ ROD
3	1	0277078	BOTTOM MANDREL ADJ
4	1	0278391	PHOTOCELL HOLDER
5	1	0281989	CABLE MOUNTING BRACKET
6	1	0283365	30 IN CARRIAGE BACK PLATE WELDMENT
7	1	0283376	30" CARRIAGE DUAL PROX MOUNT (30mm)
8	1	0283554	BACK PLATE SWITCH MOUNT
9	1	0283560	SICK DOOR MOUNT
10	1	010047	SPRG (CI) 0.75 ODx0.08 WIREx4.50L
11	1	010092	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC 3/4 STUD
12	1	011151	VGS BELT Gear Belt 3/8" Pitch x 3/4" Wide x 28.50
13	4	011192	VGS BRG IPTCI UCP 204-12Bearing, Pillow Block, 3/4" Bore
14	1	013397	VGS CAN Chain Roller #40 (44 Links+C/L)
15	2	013860	RR TRUARC 5105-00 EXT 1" SELF SEATING
16	1	013995	HDWSS (CART ITEM, DO NOT ORDER)Type 302 Stainless Steel, 1-1/2" Length, 3/8" OD, .048" Wire Dia.,
17	2	014247	VGS Flange Bushing 7/16 ID X 9/16 OD X 1/2 LG
18	1	014458	VGS Spring Pin Slotted, 3/16 x 1" LG
19	3	014502	HDW (CART ITEM) FASTENAL 10034-12836 GROMMET 3/8" ID X 1/4" GRV X 1/2" GRV ID
20	1	016188	VGS FASTENAL 0166826 EXTENSION SPRING #75 0.75 OD, 0.062 Wire, 4.5 Overall
21	3	017687	ROLLER AL 30"
22	1	094554	EM BALDOR VM3546 1.00 HP 56C
23	1	097921	HDW (CI) 3/16" O.D. Rubber Vacuum Cap
24	1	097973	HDW (CI) AB6-6A BLIND RVT PKG
25	2	409469	HVF CRADLE ROLLER OPENING LOCK
26	1	413744	HVF PROX SENSOR CAM
27	3	414385	HVF IDLE ROLLER SHAFT - 31 5/16" LG
28	1	414852	HVF BRACKET DANCER ROLLER (FLR)
29	1	420918	FLV CONV ROLLER RUBBER #1 30" LONG
30	1	420919	FLX CONV ROLLER, RUBBER #2 30" - SHORT
31	1	430053	VGS HVF LATCH
32	1	430054	ASSY HINGE CRADLE ROLLER
33	1	431477	HVF GEARBELT PULLEY 12L075
34	1	431672	HVF GEARBELT PULLEY 26L075
35	1	432322	HVF BOTTOM SPOOL WASHER
36	2	432323	HVF SPOOL, PLASTIC
37	1	434017	FLX SPRK 40B8/32L075 WELDMENT
38	1	434077	VGS HVF Top Mandrel (FLR)
39	1	435715	FLX SPROCKET 40B24 SPECIAL
40	1	442415	MOTOR BRACKET BASE PLATE (FLR)
41	1	450525	INSTA THREAD CARRIAGE ABS COVER
42	1	450578	CRADLE ROLLER SHELL WELDING
43	1	450741	DANCER ROLLER ASSY -30
44	1	452729	VGS HVF Photo High Channel
45	1	731114	HDW FD SONS OR EQUIV. N221-069

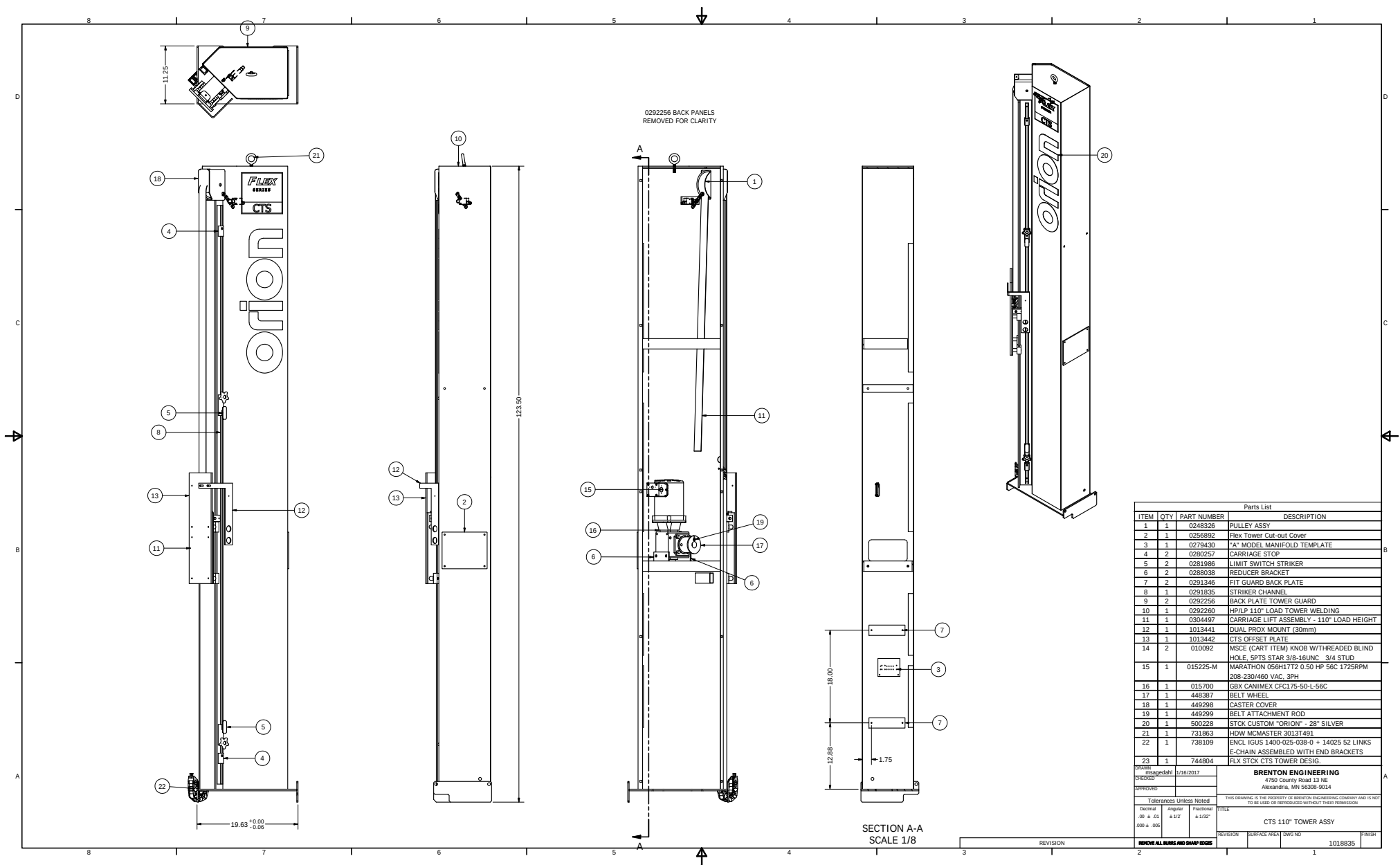


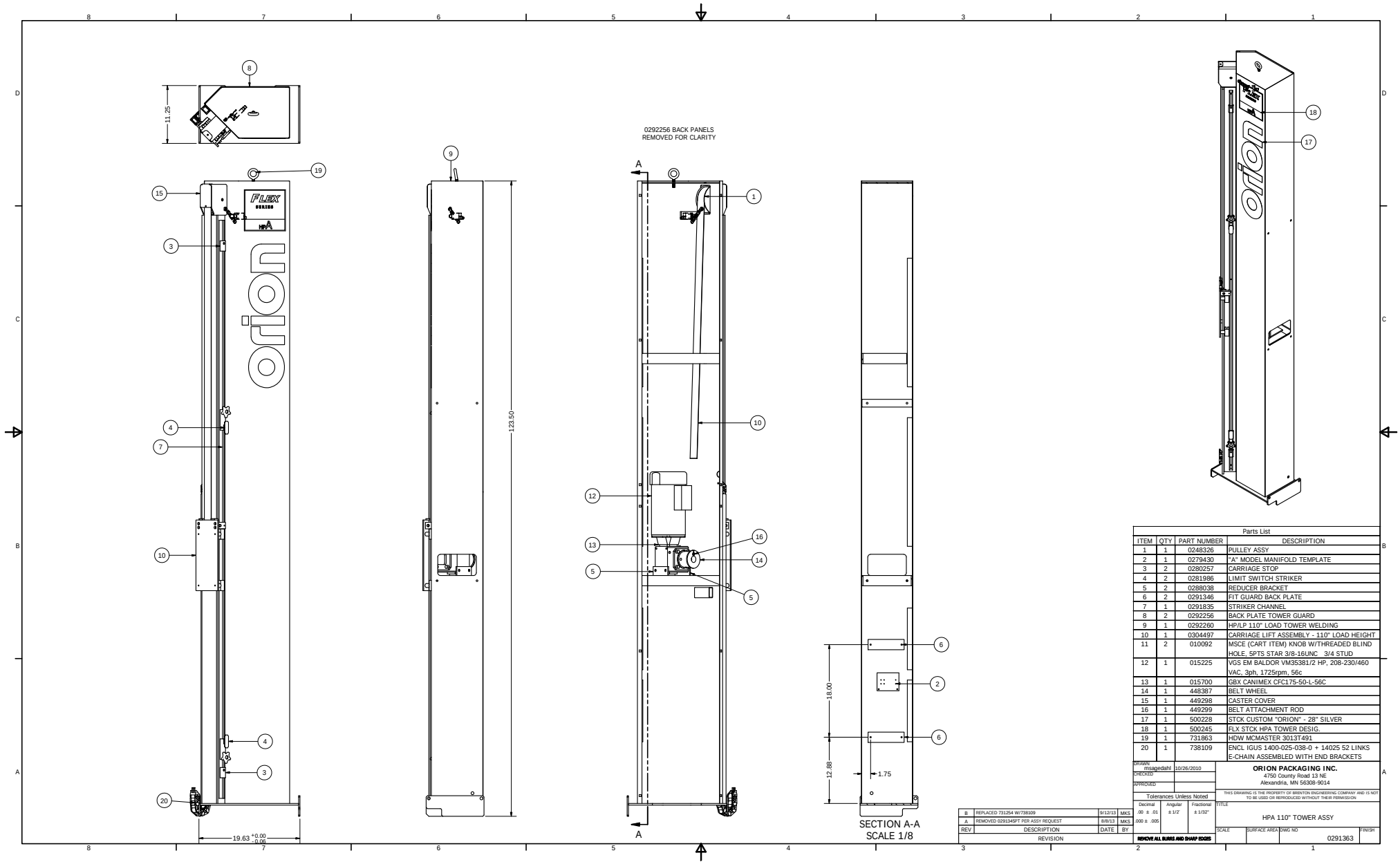


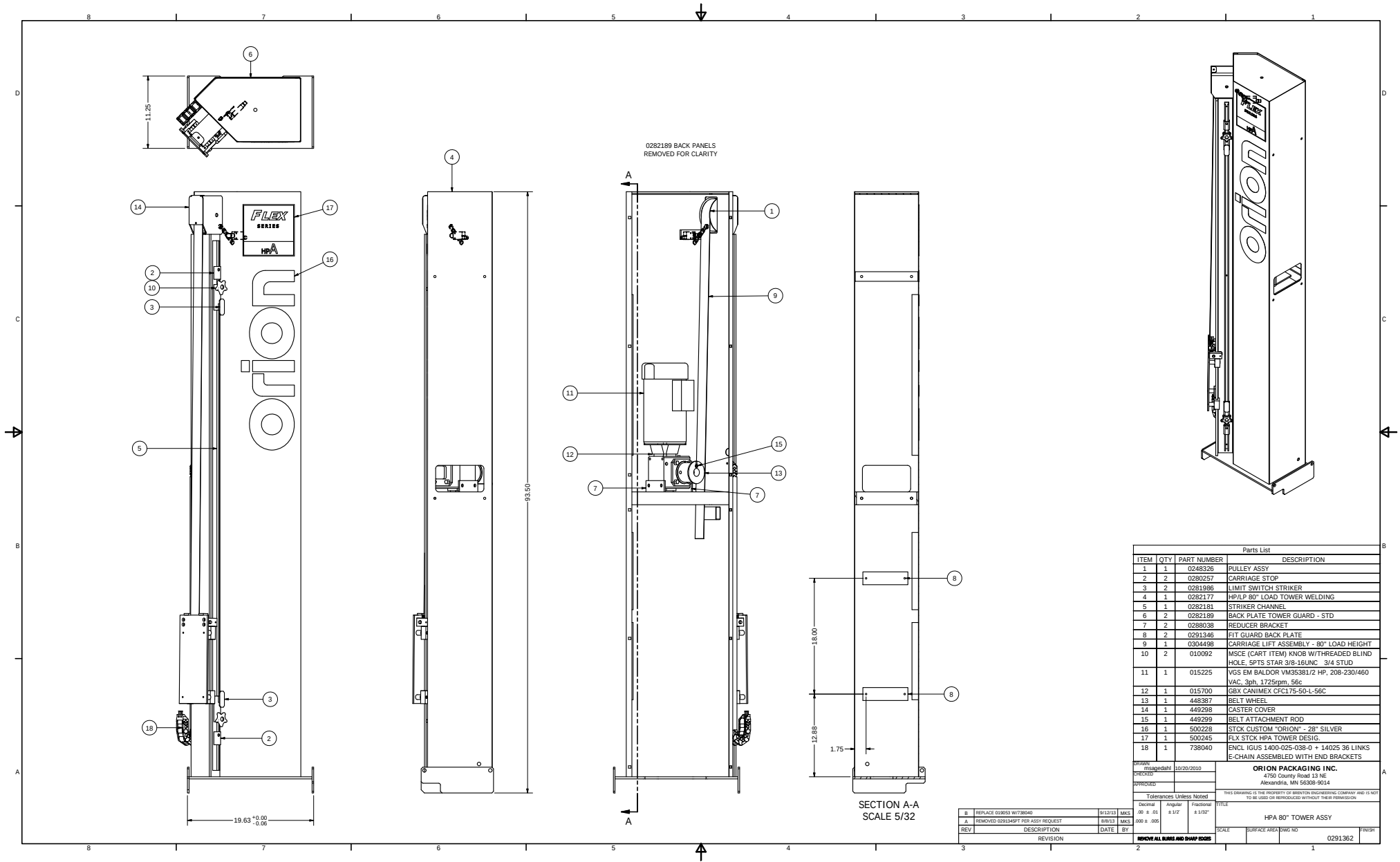




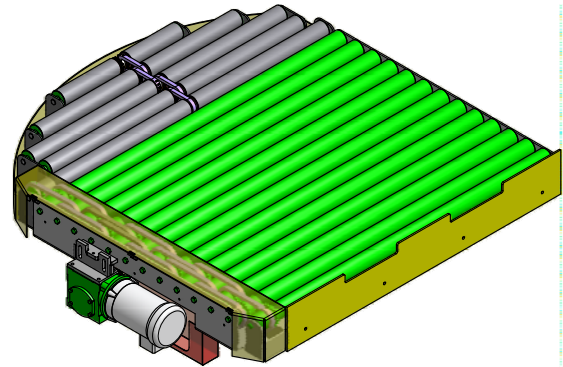
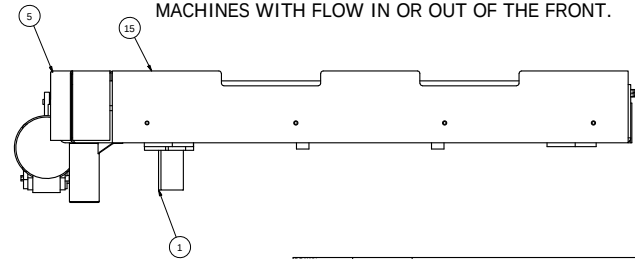
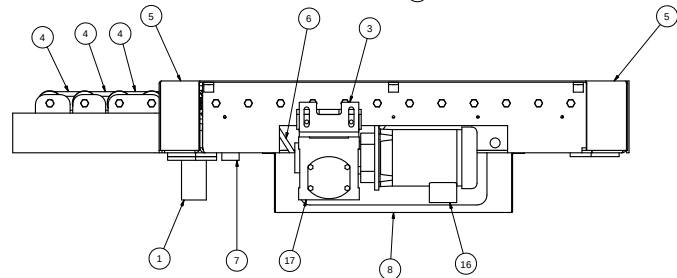
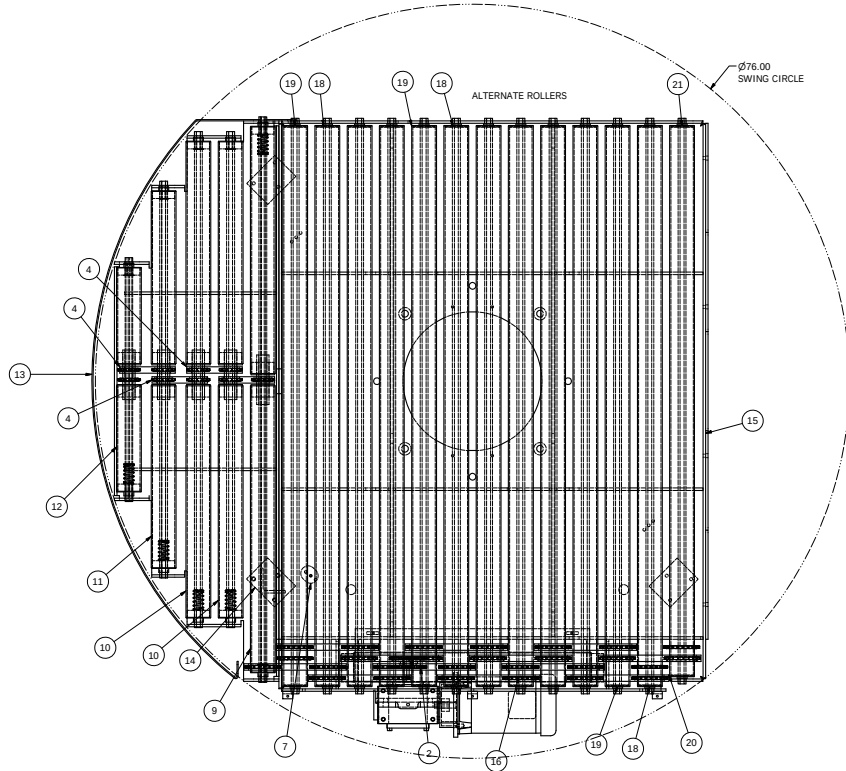








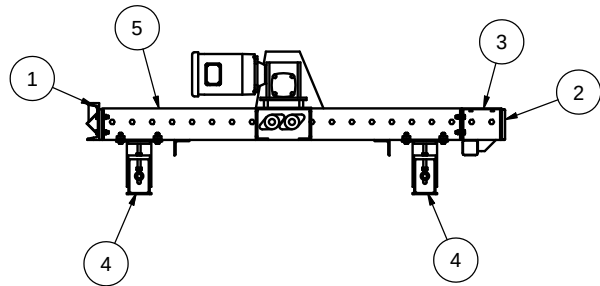
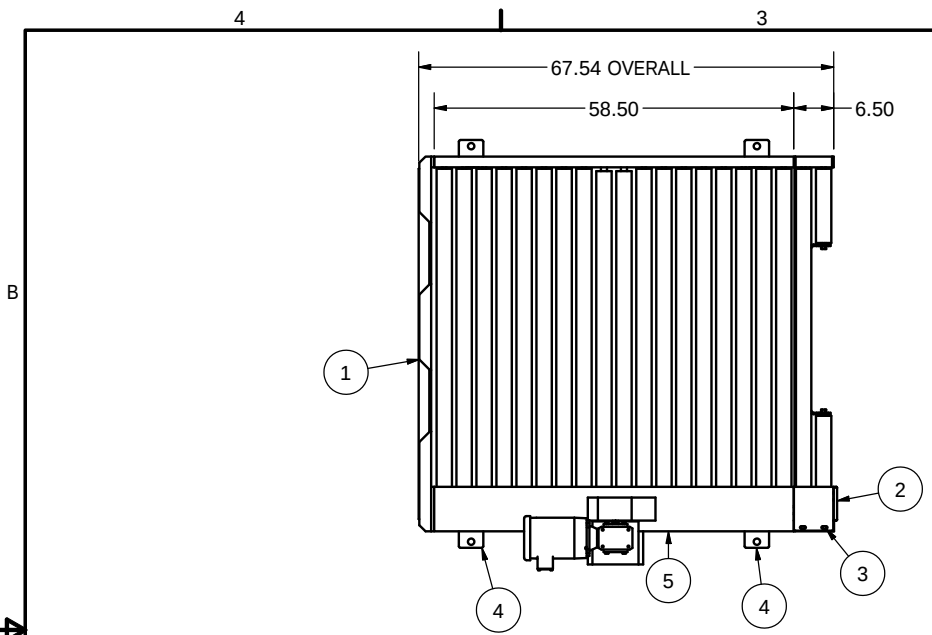
Parts List			
ITEM	PART NUMBER	FINISH	QTY
1	D0247285	PT	1
2	0247204	NO	1
3	0293606	PT	1
4	0296230		4
5	0303720	PT	1
6	0322445	NO	2
7	0323154	NO	1
8	0324216	PT/PMV	1
9	0328903	NO	1
10	0328910	NO	2
11	0328913	NO	1
12	0329168	NO	1
13	0353865	PT	1
14	0355499	PT	1
15	1007970	PT	1
16	094554		1
17	718950		1
18	724488		6
19	724489		6
20	727936		10
21	734180		1



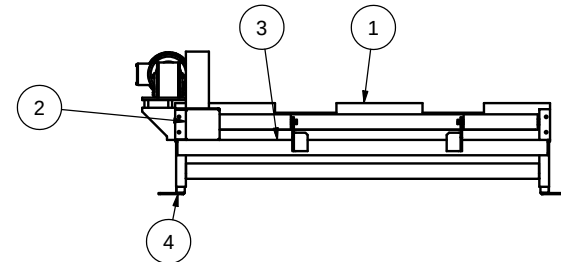
NOTES:

- CONVEYOR SET-UP FOR:
60 fpm @ 60 HZ
50 fpm @ 50 HZ
40 fpm @ 40 HZ
30 fpm @ 30 HZ
- LOWER CHAIN GUARD SHOULD ALWAYS BE USED
- SHOWN WITH LOCK PIN CATCH IN THE STD L-R OR R-L POSITION, USE ALTERNATE MOUNT PLATES ON MACHINES WITH FLOW IN OR OUT OF THE FRONT.

DESIGNED: mtagedahl CHECKED: APPROVED:			BRENTON ENGINEERING 4750 County Road 13 NE Alexandria, MN 56308-9014		
Tolerances Unless Noted Decimal: .00 ± .01 .000 ± .005 Angular: ± 1/2° Fractional: ± 1/32"			THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE LOANED OR REPRODUCED WITHOUT THEIR PERMISSION. TITLE: CTS TURNABLE 76" DIA X 3.25 RS - FULLY DRIVEN REVISION: SURFACE AREA: DWG NO: 1007985		
REVISION			DATE: 7/21/2016		



		PARTS LIST	
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	733667	CONV CDLR END STOP (52" EW CONV, LH END)
2	1	733668	CONV CDLR END CAP (5" X 5 1/2 ")
3	1	734577	CONV OMNI 0652 CDLR 3.25 RS CONTOUR WITH OUTER DRIVE CHAINS
4	2	738139	CONV H-STYLE LEGS 52" WIDE CONVEYOR 13" PH
5	1	739196	CONV OMNI 6052 CDLR 2.53.25 RS 60FPM@60HZ MOUNTED SIDE HIGH CENTER



DRAWN TKN	1/16/2017	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 .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	TITLE CONVEYOR PKG	
REVISION			SURFACE AREA	DWG NO
REMOVE ALL BURRS AND SHARP EDGES				1018836

4

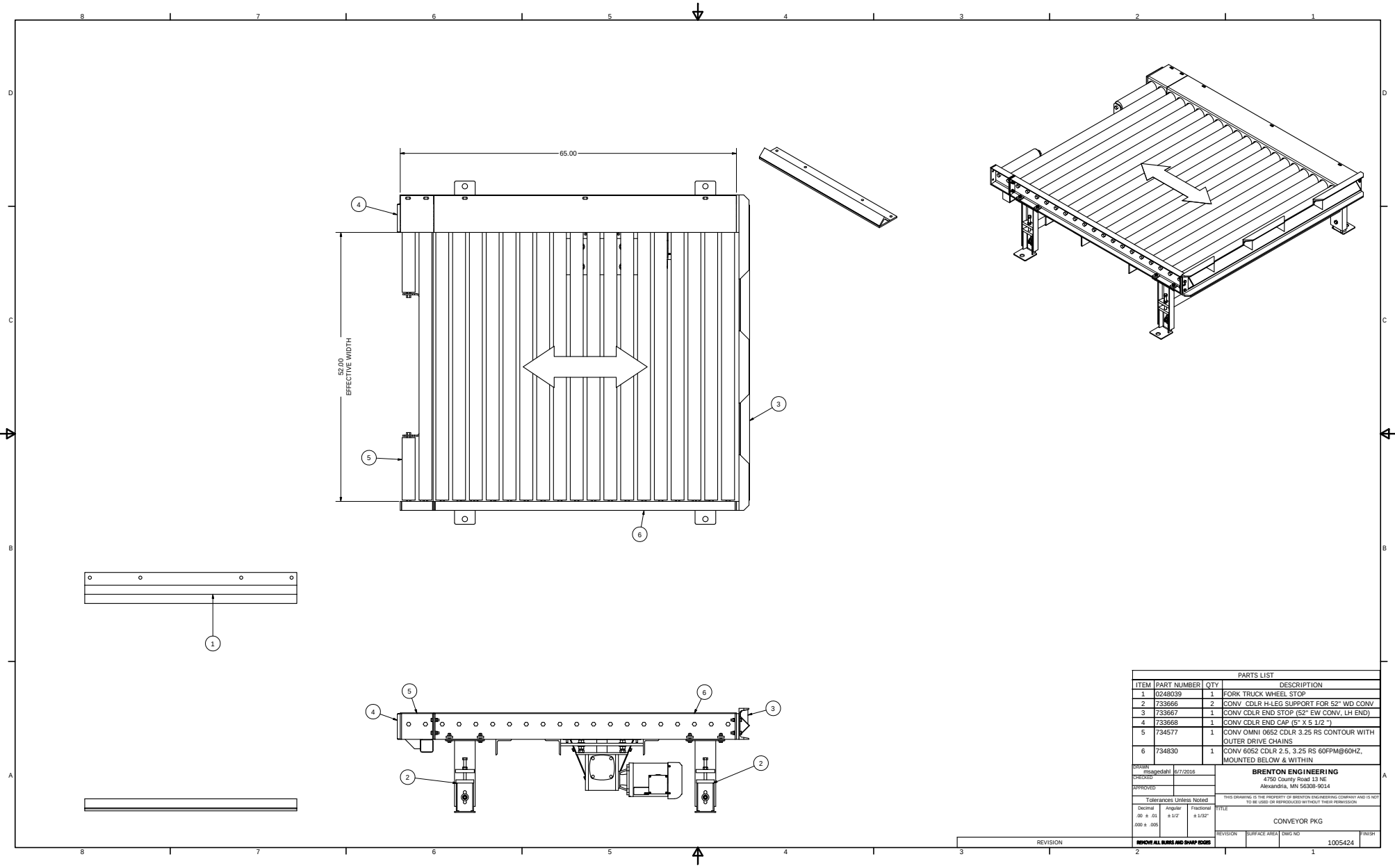
3

2

1

REVISION

4



PARTS LIST			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	0248039	1	FORK TRUCK WHEEL STOP
2	733666	2	CONV CDLR END STOP (52" EW CONV, LH END)
3	733667	1	CONV CDLR END STOP (52" EW CONV, RH END)
4	733668	1	CONV CDLR END CAP (5" X 5 1/2")
5	734577	1	CONV OMNI 0652 CDLR 3.25 RS CONTOUR WITH OUTER DRIVE CHAINS
6	734830	1	CONV 6052 CDLR 2.5, 3.25 RS 60FPM@60HZ, MOUNTED BELOW & WITHIN

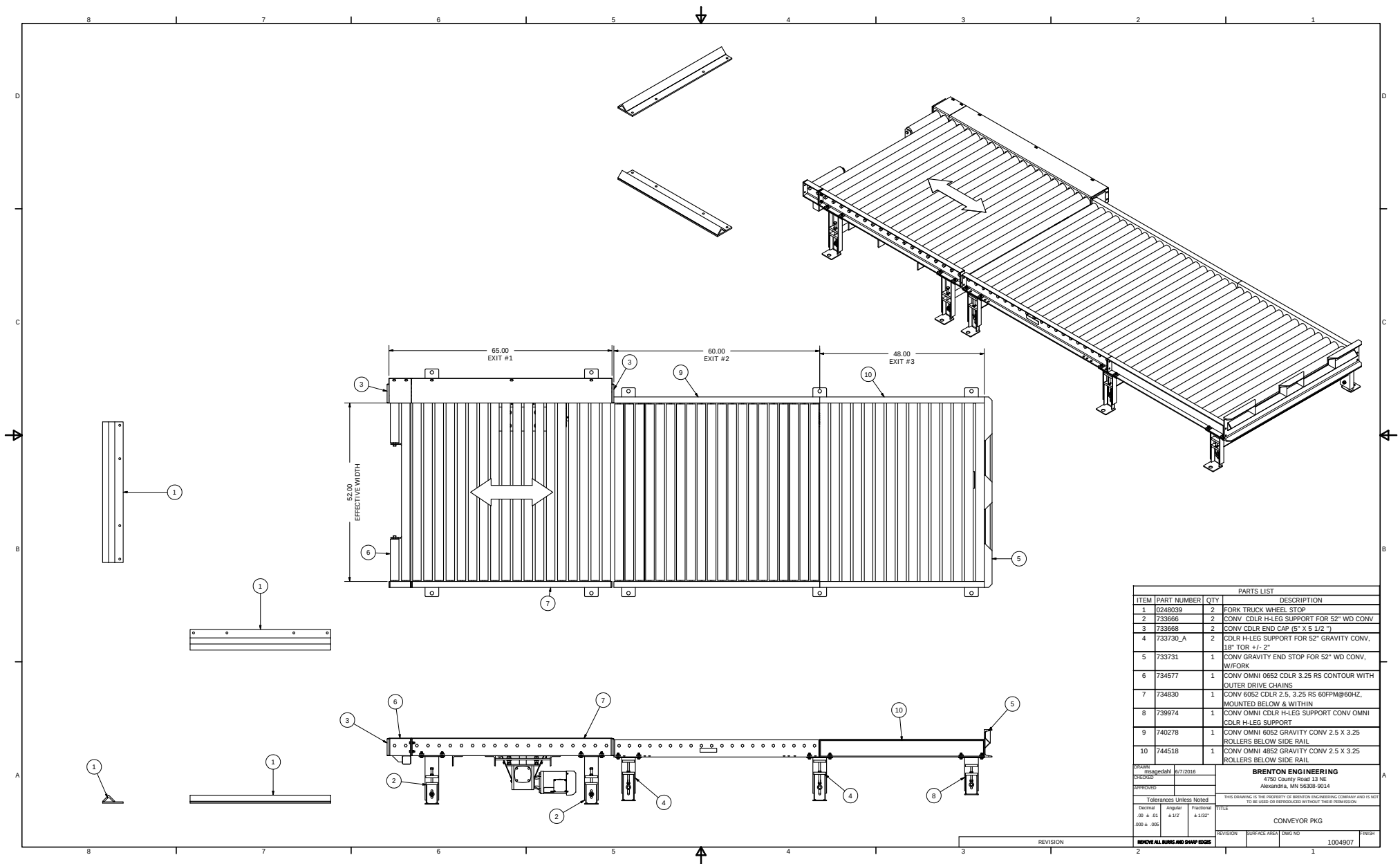
DESIGN	mtsgedahl	6/7/2016
CHECKED		
APPROVED		
Tolerances Unless Noted		
Decimal	Angular	Fractional
.00 ± .01	± .1/2°	± 1/32"
.000 ± .005		

REVISION		REVISION	SURFACE AREA	DWG NO	1005424	FINISH
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BRENTON ENGINEERING
4750 County Road 13 NE
Alexandria, MN 56308-9014

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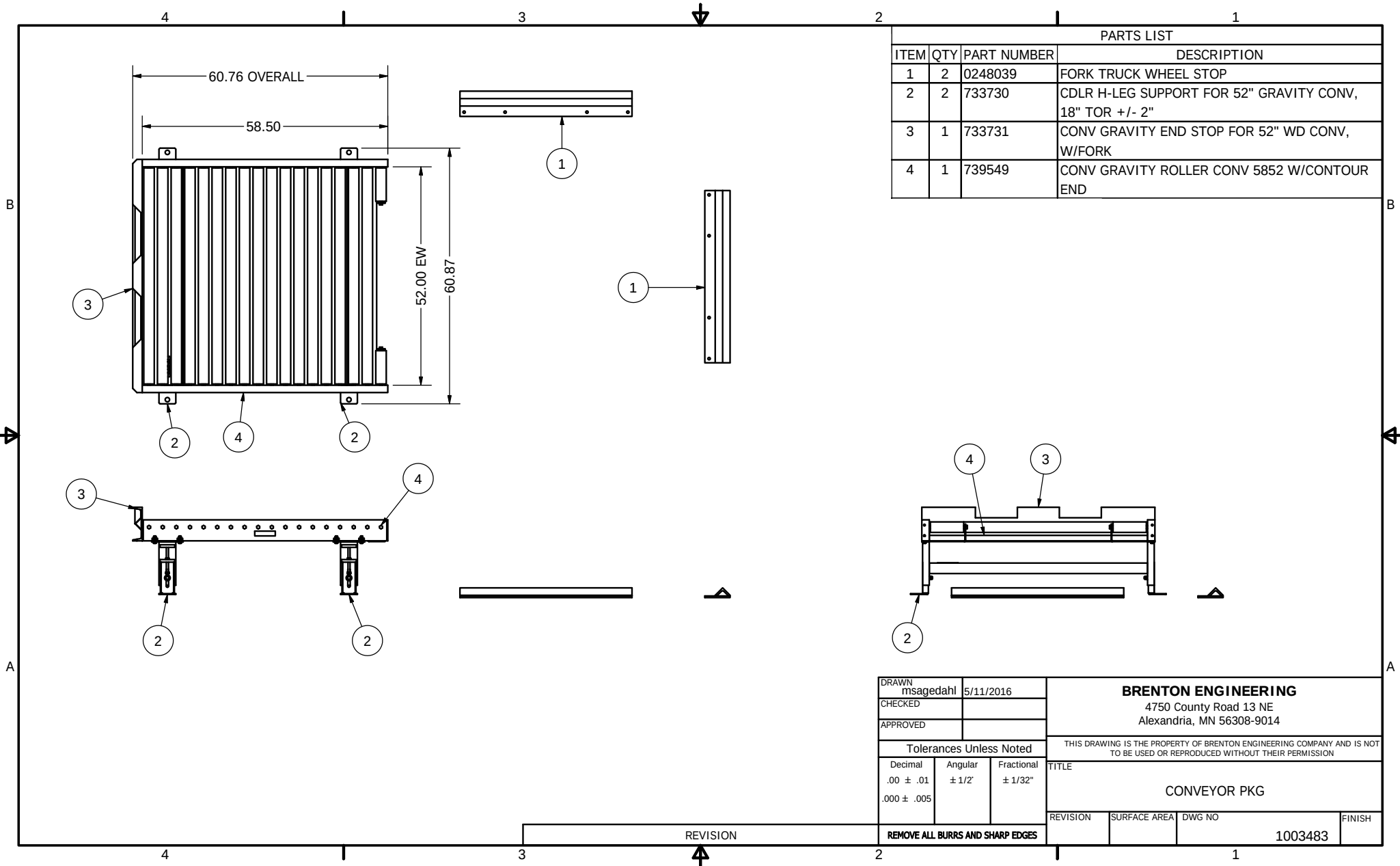
TITLE
CONVEYOR PKG



PARTS LIST			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	0248039	2	FORK TRUCK WHEEL STOP
2	733666	2	CONV CDLR H-LEG SUPPORT FOR 52" WD CONV
3	733668	2	CONV CDLR END CAP (5" X 5 1/2")
4	733730_A	2	CDLR H-LEG SUPPORT FOR 52" GRAVITY CONV, 1/8" TOR +/- .2"
5	733731	1	CONV GRAVITY END STOP FOR 52" WD CONV, W/FORK
6	734577	1	CONV OMNI 0652 CDLR 3.25 RS CONTOUR WITH OUTER DRIVE CHAINS
7	734830	1	CONV 6052 CDLR 2.5, 3.25 RS 60PPM@60HZ, MOUNTED BELOW & WITHIN
8	739974	1	CONV OMNI CDLR H-LEG SUPPORT CONV OMNI CDLR H-LEG SUPPORT
9	740278	1	CONV OMNI 8052 GRAVITY CONV 2.5 X 3.25 ROLLERS BELOW SIDE RAIL
10	744518	1	CONV OMNI 4852 GRAVITY CONV 2.5 X 3.25 ROLLERS BELOW SIDE RAIL
ORIGINAL: mtagadehi 10/7/2016			
CHECKED:			
APPROVED:			
Tolerances Unless Noted			
Decimal	Angular	Fractional	TITLE
.00 ± .01	± .1/2	± 1/32	CONVEYOR PKG
.000 ± .005			REVISION
REMOVAL ROUNDS AND SHARP EDGES			
REVISION	SURFACE AREA	DWG NO	FINISH
		1004907	

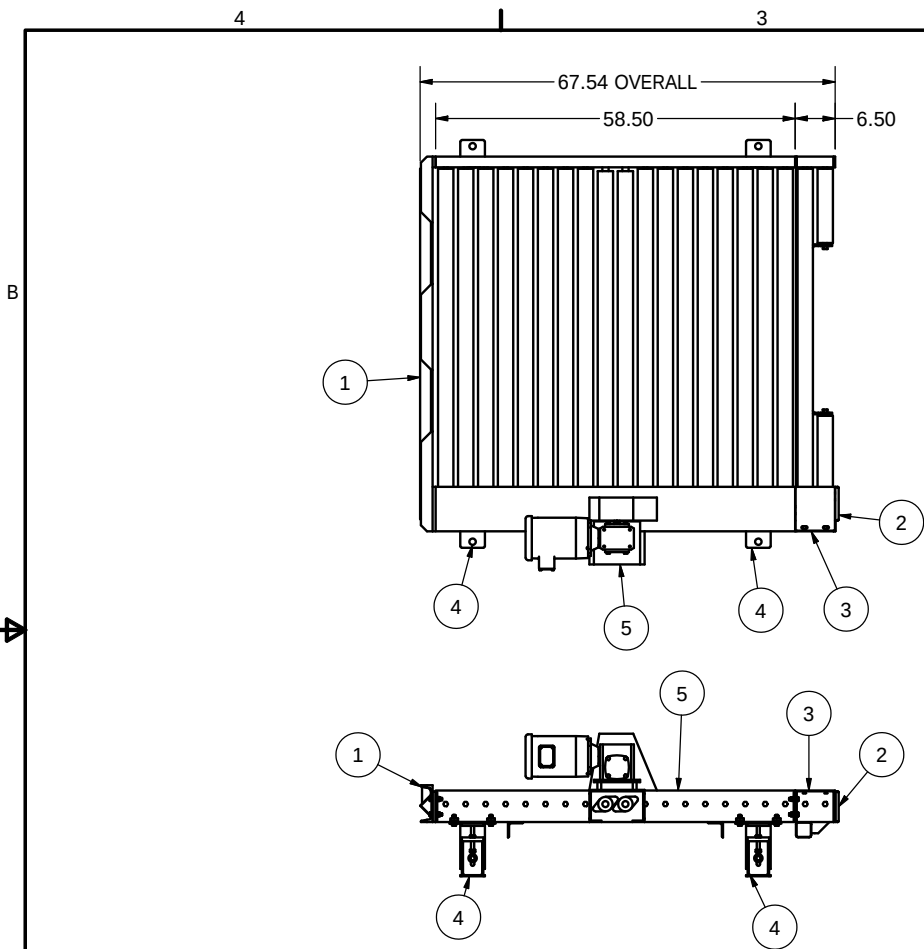
BRENTON ENGINEERING
4750 County Road 13 NE
Alexandria, MN 56308-9014

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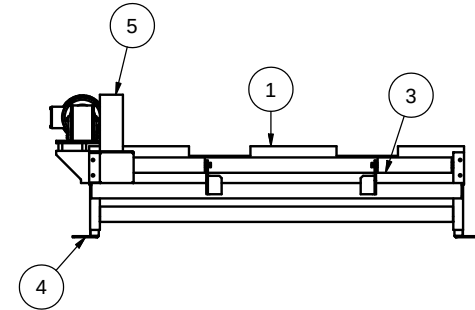


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	0248039	FORK TRUCK WHEEL STOP
2	2	733730	CDLR H-LEG SUPPORT FOR 52" GRAVITY CONV, 18" TOR +/- 2"
3	1	733731	CONV GRAVITY END STOP FOR 52" WD CONV, W/FORK
4	1	739549	CONV GRAVITY ROLLER CONV 5852 W/CONTOUR END

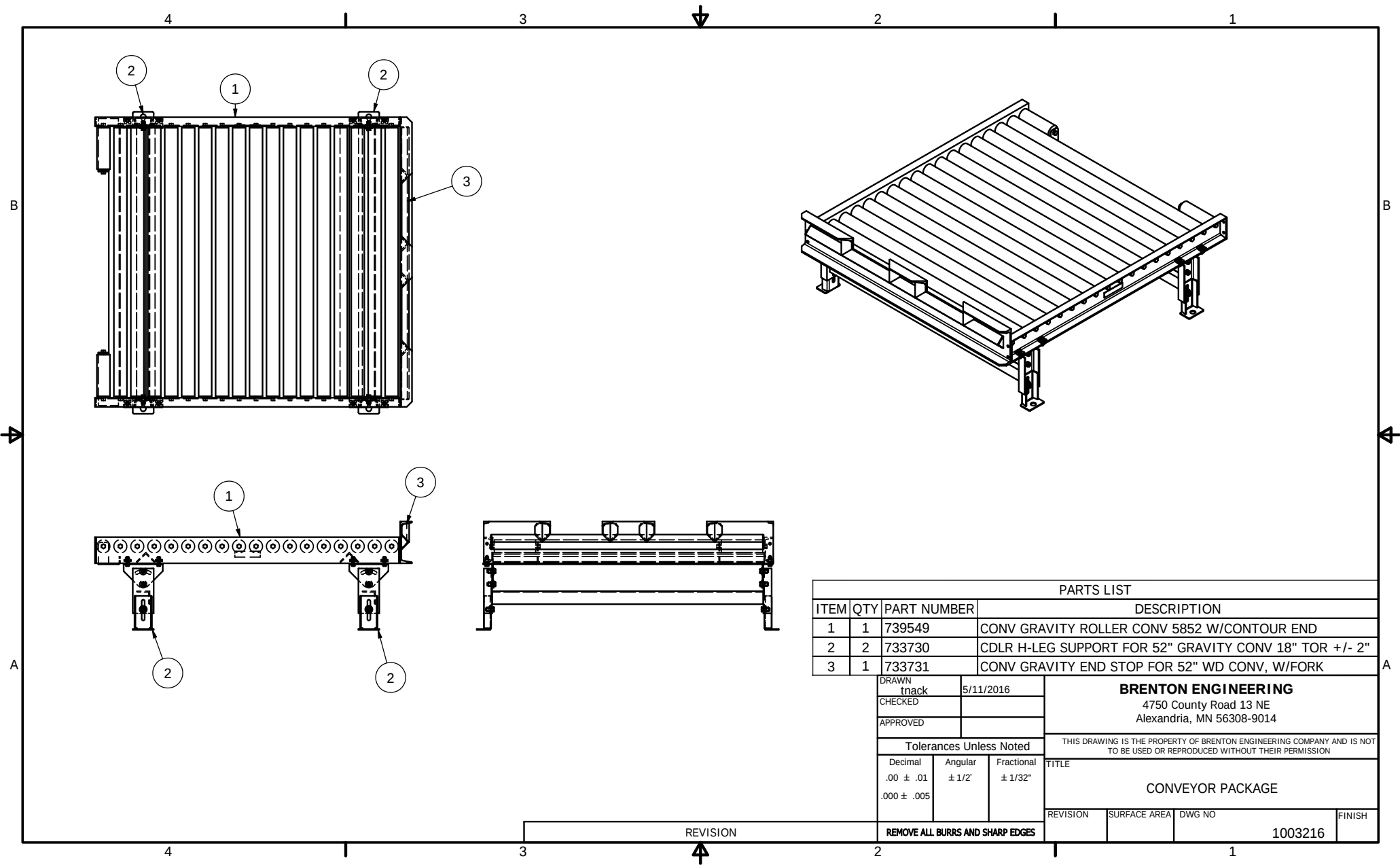
DRAWN msagedahl	5/11/2016	BRENTON ENGINEERING 4750 County Road 13 NE Alexandria, MN 56308-9014		
CHECKED				
APPROVED				
Tolerances Unless Noted			THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION	
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	TITLE CONVEYOR PKG	
REVISION			SURFACE AREA	DWG NO
REMOVE ALL BURRS AND SHARP EDGES				1003483
			FINISH	



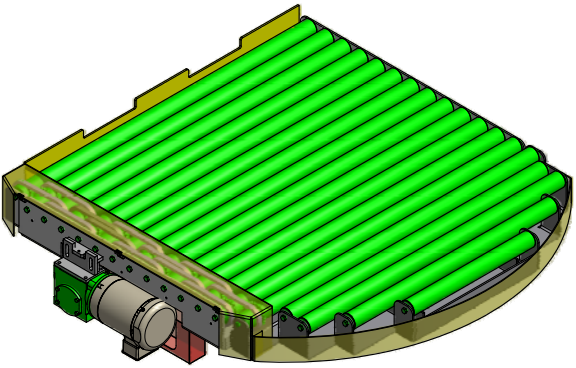
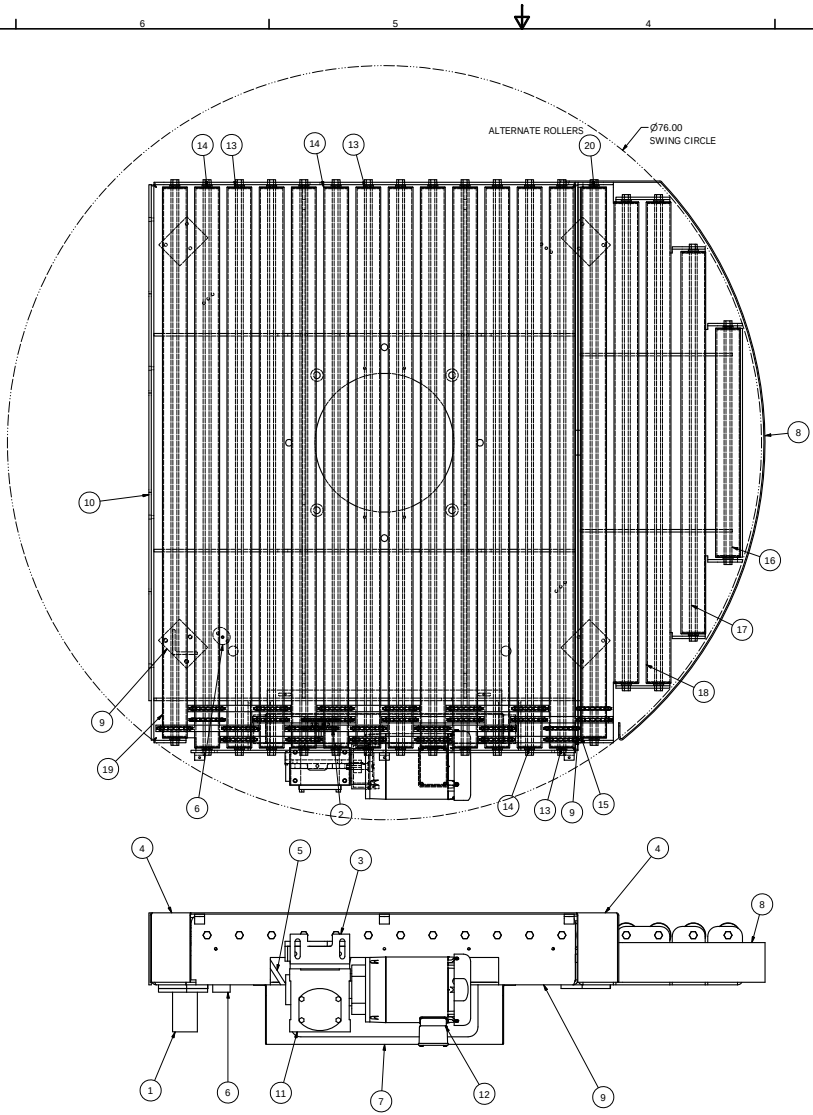
PARTS LIST				
ITEM	QTY	PART NUMBER	FINISH	DESCRIPTION
1	1	733667		CONV CDLR END STOP (52" EW CONV, LH END)
2	1	733668		CONV CDLR END CAP (5" X 5 1/2 ")
3	1	734577		CONV OMNI 0652 CDLR 3.25 RS CONTOUR WITH OUTER DRIVE CHAINS
4	2	738139		CONV H-STYLE LEGS 52" WIDE CONVEYOR 13" PH
5	1	739196		CONV OMNI 6052 CDLR 2.53.25 RS 60FPM@60HZ MOUNTED SIDE HIGH CENTER



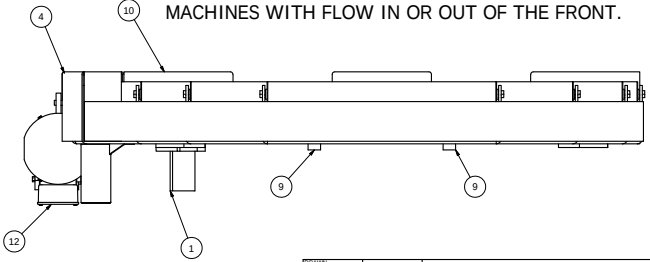
DRAWN msagedahl		1/26/2017	BRENTON ENGINEERING 4750 County Road 13 NE Alexandria, MN 56308-9014			
CHECKED						
APPROVED						
Tolerances Unless Noted			THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION			
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	TITLE CONVEYOR PKG			
REVISION			SURFACE AREA		DWG NO	FINISH
REMOVE ALL BURRS AND SHARP EDGES					1020084	



Parts List			
ITEM	PART NUMBER	FINISH	QTY
1	D0247285	PT	1
2	0247204	NO	1
3	0293606	PT	1
4	0303720	PT	1
5	0322445	NO	2
6	0323154	NO	1
7	0324216	PT/PMV	1
8	0353865	PT	1
9	1003214	PT	1
10	1007970	PT	1
11	718950		1
12	724011-N		1
13	724488		6
14	724489		6
15	727936		10
16	729621		1
17	734096		1
18	734097		2
19	734098		1
20	734180		1
DESCRIPTION			
TURNABLE LOCK CATCH			
MOD SPROCKET 40B22			
GBX MNT			
UPPER GUARD			
CHAIN BREAK #40 (67 P + 1 CONN)			
PROXIMITY SWITCH TARGET			
LOWER CHAIN GUARD			
GUARD			
FA TURNABLE FRAME WELDMENT			
END STOP			
GBX DODGE 20Q20R56 TIGEAR 2 SIZE 20 20-1 56C			
EM BALDOR VEM3546 1.00 HP 56C 1760 RPM			
INVERTER DUTY			
CONV ALBA ROLLER W/SPRKS 2.50" OD X 57 BTF			
CONV ROLLER W/SPROCKET 2.50" OD (PER DWG BEC D0222115)			
CAN WHITNEY 40TWRIV HYDRO-SERVICE ROLLER			
CHAIN BREAK, PER DWG D0247836			
33.63" GRAVITY ROLLER			
CONV GRAVITY ROLLER 2.50" OD, 39" BETWEEN FRAME			
CONV GRAVITY ROLLER 2.50" OD, 49" BETWEEN FRAME			
CONV ROLLER W/SPROCKET 2.50" OD (PER DWG BEC 0304808)			
CONV ROLLER W/SPROCKET 2.50" OD (PER DWG BEC 0304809)			

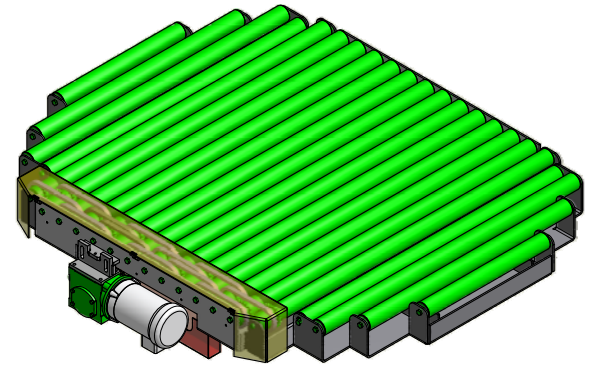
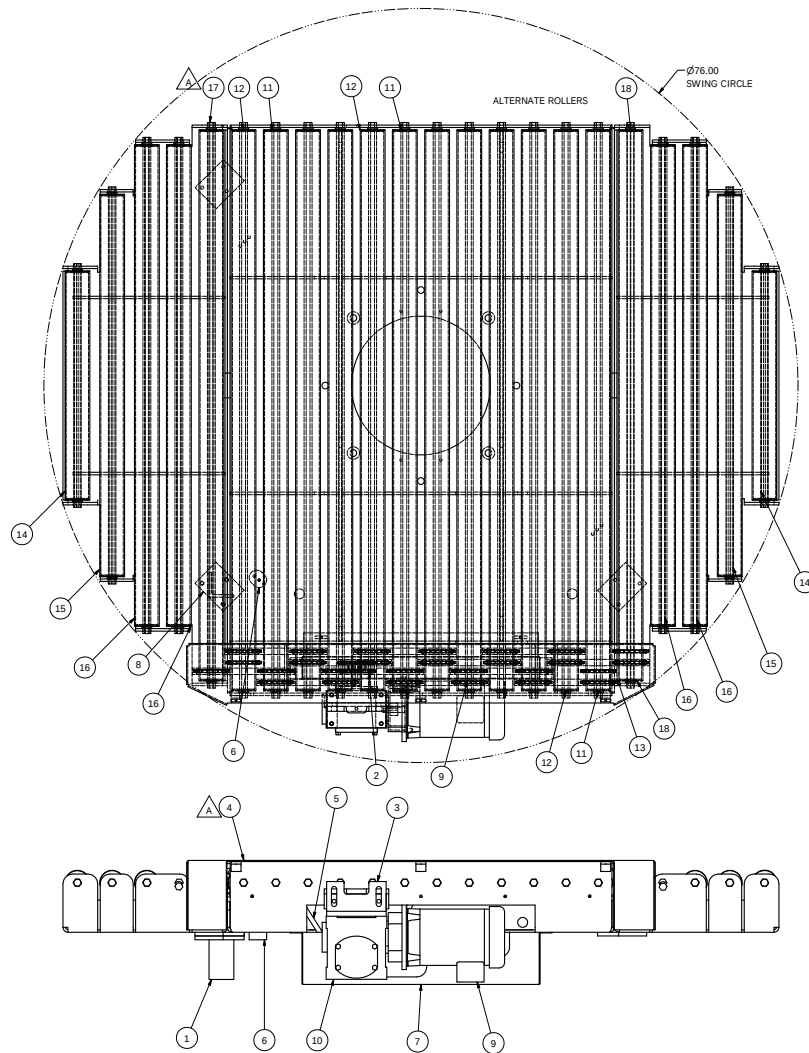


- NOTES:**
- 1. CONVEYOR SET-UP FOR:
60 fpm @ 60 HZ
50 fpm @ 50 HZ
40 fpm @ 40 HZ
30 fpm @ 30 HZ
 - 2. LOWER CHAIN GUARD SHOULD ALWAYS BE USED
 - 3. SHOWN WITH LOCK PIN CATCH IN THE STD L-R OR R-L POSITION, USE ALTERNATE MOUNT PLATES ON MACHINES WITH FLOW IN OR OUT OF THE FRONT.



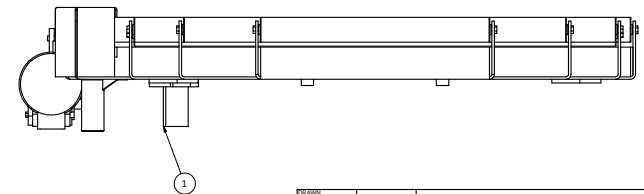
DRAWN TKN		01/11/2016		BRENTON ENGINEERING	
CHECKED				4750 County Road 13 NE	
APPROVED				Alexandria, MN 56308-9014	
Tolerances Unless Noted				THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION	
Decimal	Angular	Fractional	TITLE		
.00 ± .01	± 1/2°	± 1/32"	CTS TURNABLE 76" DIA X 3.25 RS		
.000 ± .005					
REMOVE ALL BURRS AND SHARP EDGES				REVISION	SURFACE AREA
				DWG NO	FINISH
					1003213

Parts List			
ITEM	PART NUMBER	FINISH	QTY
1	D0247285	PT	1
2	0247204	NO	1
3	0293606	PT	1
4	0303720	PT	1
5	0322445	NO	2
6	0323154	NO	1
7	0380489	PT/PMV	1
8	0391737	PT	1
9	094554		1
10	718950		1
11	724488		6
12	724489		6
13	727936		10
14	728621		2
15	734096		2
16	734097		4
17	734098		1
18	734180		1
DESCRIPTION			
TURNABLE LOCK CATCH			
MOD SPROCKET 40B22			
GBX MNT			
UPPER GUARD			
CHAIN BREAK #40 (67 P + 1 CONN)			
PROXIMITY SWITCH TARGET			
LOWER CHAIN GUARD			
TURNABLE FRAME WELDMENT			
EM BALDOR VM3546 1.00 HP 56C			
GBX DODGE 20Q20R56 TIGEAR 2 SIZE 20 20:1 56C			
CONV ALBA ROLLER W/SPRKS 2.50" OD X 57 BTF			
CONV ROLLER W/SPROCKET 2.50" OD (PER DWG BEC D0222115)			
CAN WHITNEY 40TWRIV HYDRO-SERVICE ROLLER			
CHAIN BREAK, PER DWG D0247836			
33.63" GRAVITY ROLLER			
CONV GRAVITY ROLLER 2.50"OD, 39" BETWEEN FRAME			
CONV GRAVITY ROLLER 2.50"OD, 49" BETWEEN FRAME			
CONV ROLLER W/SPROCKET 2.50" OD (PER DWG BEC 0304808)			
CONV ROLLER W/SPROCKET 2.50" OD (PER DWG BEC 0304809)			



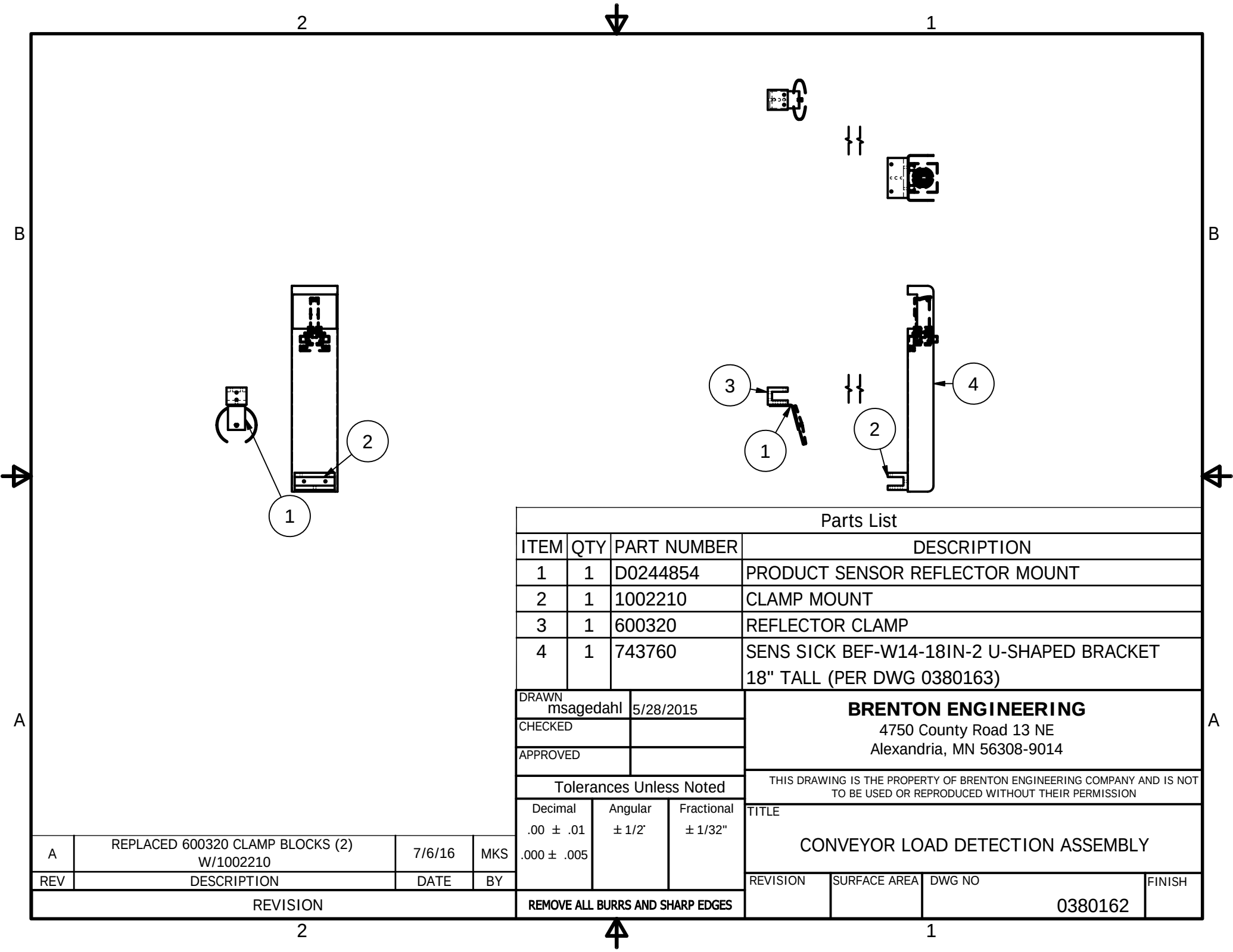
NOTES:

- CONVEYOR SET-UP FOR:
60 fpm @ 60 HZ
50 fpm @ 50 HZ
40 fpm @ 40 HZ
30 fpm @ 30 HZ
- LOWER CHAIN GUARD SHOULD ALWAYS BE USED
- SHOWN WITH LOCK PIN CATCH IN THE STD L-R OR R-L POSITION, USE ALTERNATE MOUNT PLATES ON MACHINES WITH FLOW IN OR OUT OF THE FRONT.



REV	DESCRIPTION	DATE	BY
1	ADDED BUILDING FOR ITEMS 4 & 17	04/01/2016	RAS
2	REVISION		

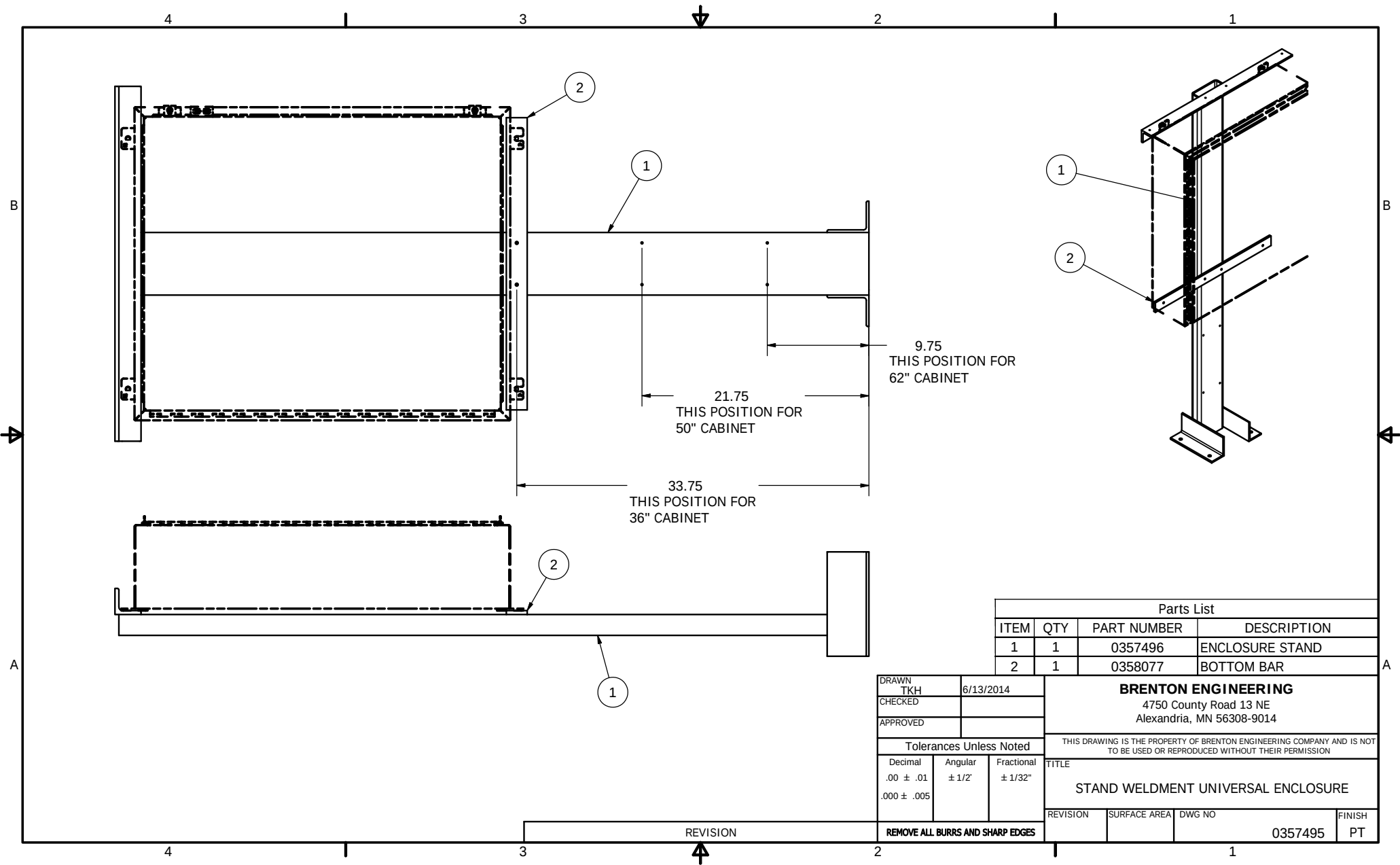
DATE: 11/17/2015	BRENTON ENGINEERING	
CHECKED:	4750 County Road 13 NE	
APPROVED:	Alexandria, MN 56308-9014	
Tolerances Unless Noted		THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION.
Decimal: .00 ± .01	Angular: ± 1/2°	Fractional: ± 1/32"
TITLE		CTS TURNABLE 76" DIA X 3.25 RS
TOTAL	SURFACE AREA	0391736
1/6		



Parts List						
ITEM	QTY	PART NUMBER	DESCRIPTION			
1	1	D0244854	PRODUCT SENSOR REFLECTOR MOUNT			
2	1	1002210	CLAMP MOUNT			
3	1	600320	REFLECTOR CLAMP			
4	1	743760	SENS SICK BEF-W14-18IN-2 U-SHAPED BRACKET 18" TALL (PER DWG 0380163)			
DRAWN msagedahl		5/28/2015		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 .00 ± .01 .000 ± .005		Angular ± 1/2°		Fractional ± 1/32"		
				TITLE CONVEYOR LOAD DETECTION ASSEMBLY		
REVISION		SURFACE AREA		DWG NO		FINISH
REMOVE ALL BURRS AND SHARP EDGES				0380162		

A	REPLACED 600320 CLAMP BLOCKS (2) W/1002210	7/6/16	MKS
REV	DESCRIPTION	DATE	BY

REMOVE ALL BURRS AND SHARP EDGES



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0357496	ENCLOSURE STAND
2	1	0358077	BOTTOM BAR

DRAWN	TKH	6/13/2014
CHECKED		
APPROVED		

Tolerances Unless Noted		
Decimal	Angular	Fractional
.00 ± .01	± 1/2°	± 1/32"
.000 ± .005		

REMOVE ALL BURRS AND SHARP EDGES

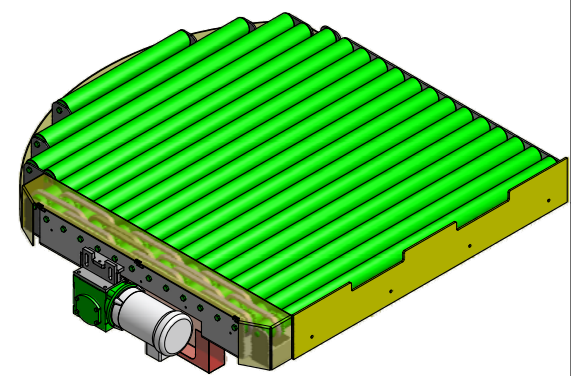
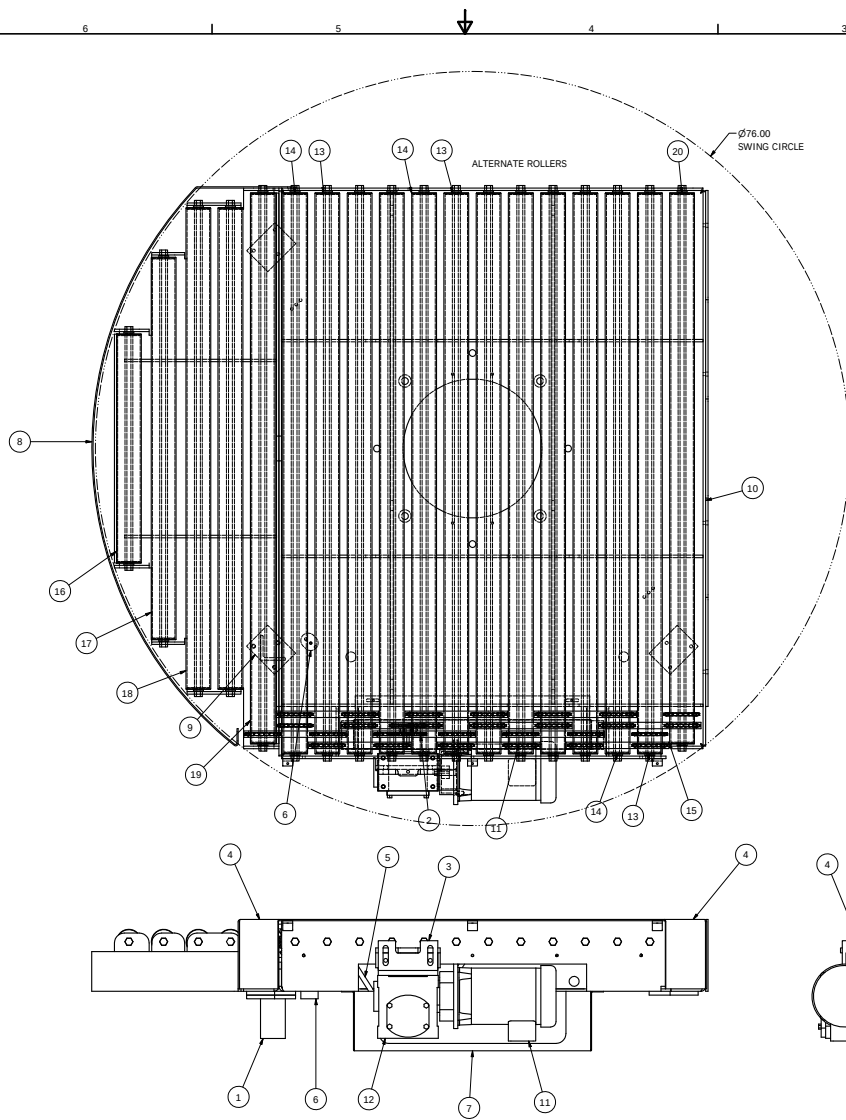
BRENTON ENGINEERING
4750 County Road 13 NE
Alexandria, MN 56308-9014

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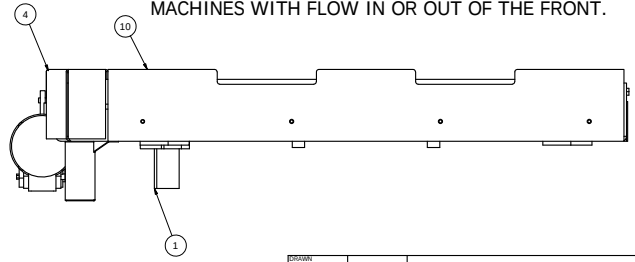
TITLE
STAND WELDMENT UNIVERSAL ENCLOSURE

REVISION	SURFACE AREA	DWG NO	FINISH
		0357495	PT

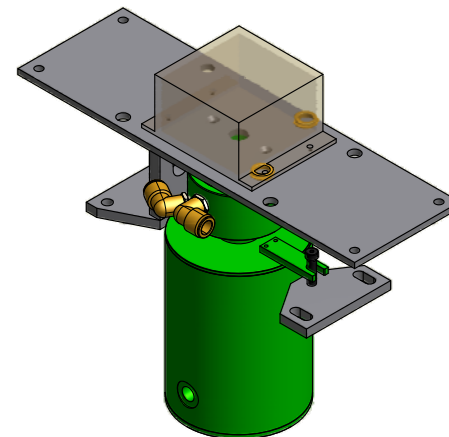
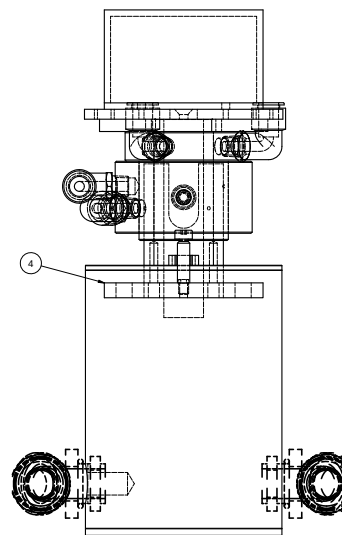
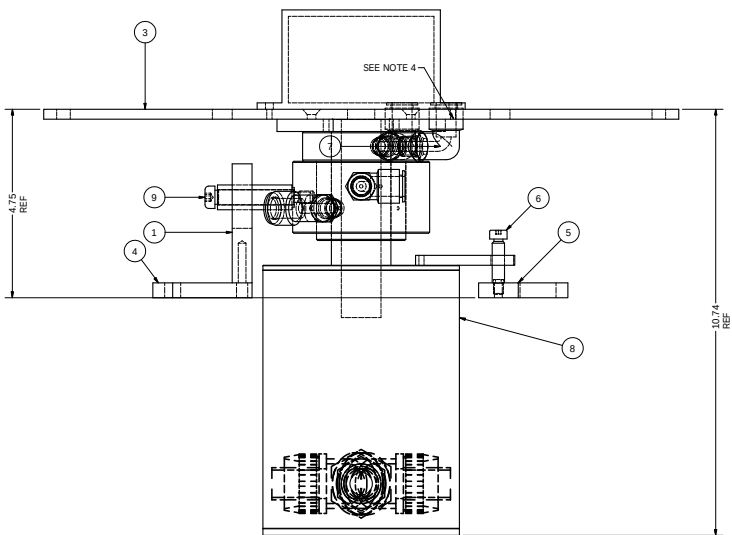
Parts List			
ITEM	PART NUMBER	FINISH	QTY DESCRIPTION
1	02047285	PT	1 TURNTABLE LOCK CATCH
2	0247204	NO	1 MOD SPROCKET 40B22
3	0293606	PT	1 GBX MNT
4	0303720	PT	1 UPPER GUARD
5	0322445	NO	2 CHAIN BREAK #40 (67 P + 1 CONN)
6	0323154	NO	1 PROXIMITY SWITCH TARGET
7	0324216	PT/PMV	1 LOWER CHAIN GUARD
8	0353865	PT	1 GUARD
9	0355499	PT	1 FA TURNTABLE FRAME WELDMENT
10	1007970	PT	1 END STOP
11	094554		1 EM BALDOR VM3546 1.00 HP 56C
12	718950		1 GBX DODGE 20Q20R56 TIGEAR 2 SIZE 20 20:1 56C
13	724488		6 CONV ALBA ROLLER W/SPRKS 2.50 OD X 57 BTF
14	724489		6 CONV ROLLER W/SPROCKET 2.50" OD (PER DWG BEC D0222115)
15	727936		10 CAN WHITNEY 40TWIRIV HYDRO-SERVICE ROLLER CHAIN BREAK, PER DWG D0247836
16	728621		1 33.63" GRAVITY ROLLER
17	734096		1 CONV GRAVITY ROLLER 2.50"OD, 39" BETWEEN FRAME
18	734097		2 CONV GRAVITY ROLLER 2.50"OD, 49" BETWEEN FRAME
19	734098		1 CONV ROLLER W/SPROCKET 2.50" OD (PER DWG BEC 0304808)
20	734180		1 CONV ROLLER W/SPROCKET 2.50" OD (PER DWG BEC 0304809)



- NOTES:**
1. CONVEYOR SET-UP FOR:
60 fpm @ 60 HZ
50 fpm @ 50 HZ
40 fpm @ 40 HZ
30 fpm @ 30 HZ
 2. LOWER CHAIN GUARD SHOULD ALWAYS BE USED
 3. SHOWN WITH LOCK PIN CATCH IN THE STD L-R OR R-L POSITION, USE ALTERNATE MOUNT PLATES ON MACHINES WITH FLOW IN OR OUT OF THE FRONT.



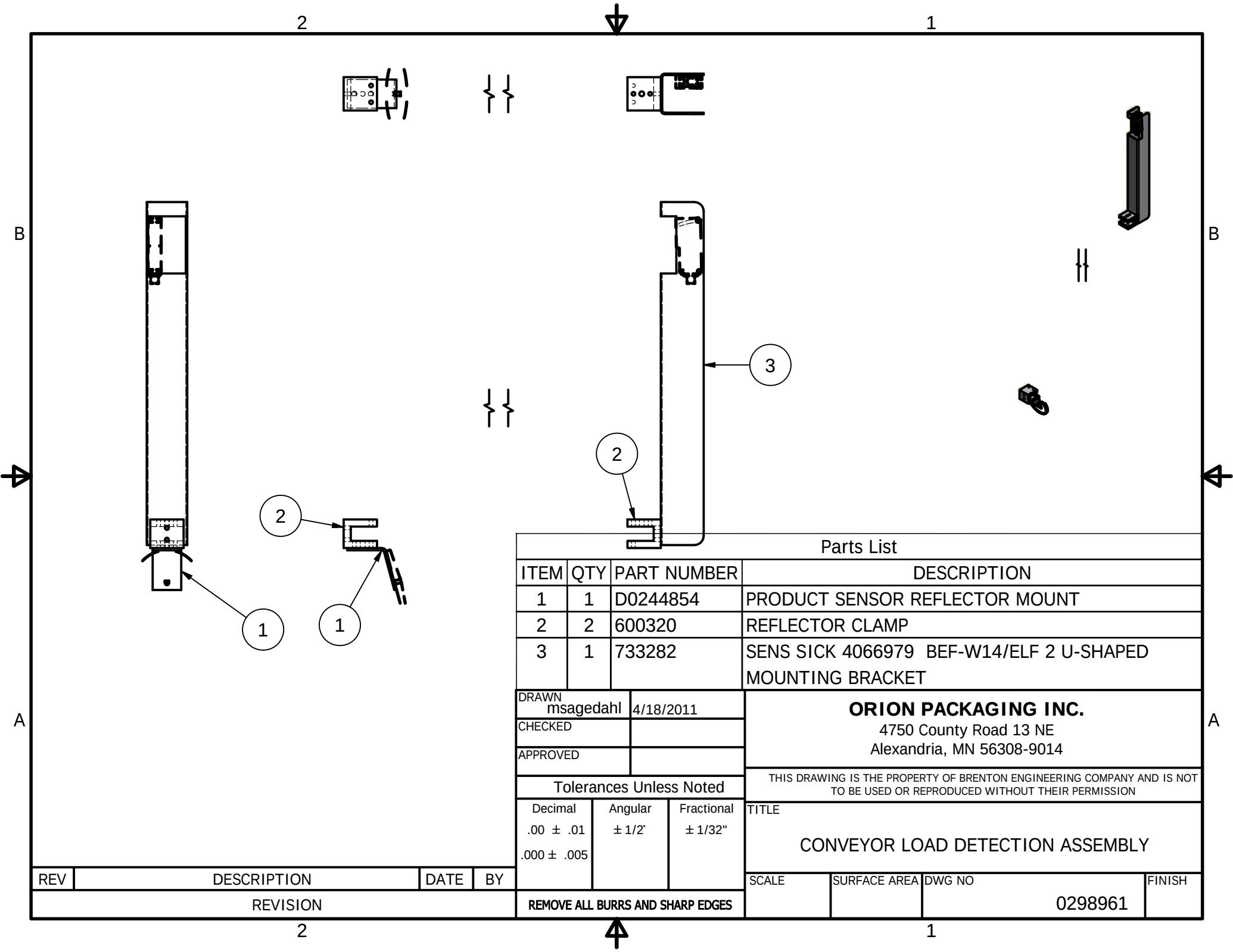
DESIGN		DATE		BRENTON ENGINEERING 4750 County Road 13 NE Alexandria, MN 55308-9014	
AMM		01/14/2014			
CHECKED					
APPROVED					
Tolerances Unless Noted				THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION. FILE CTS TURNABLE 76" DIA X 3.25 RS	
Decimal	Angular	Fractional			
.00 ± .01	± 1/2°	± 1/32"			
.000 ± .005					
REVISION		DATE		BY	
1	ADDED 1307PDS END STOP		7/18/15	MMS	
REV	DESCRIPTION		DATE	BY	
REVISION					
REMOVE ALL RINGS AND SNAP TOES					
REVISION	SURFACE AREA	DWG NO		FINISH	
		0356507			



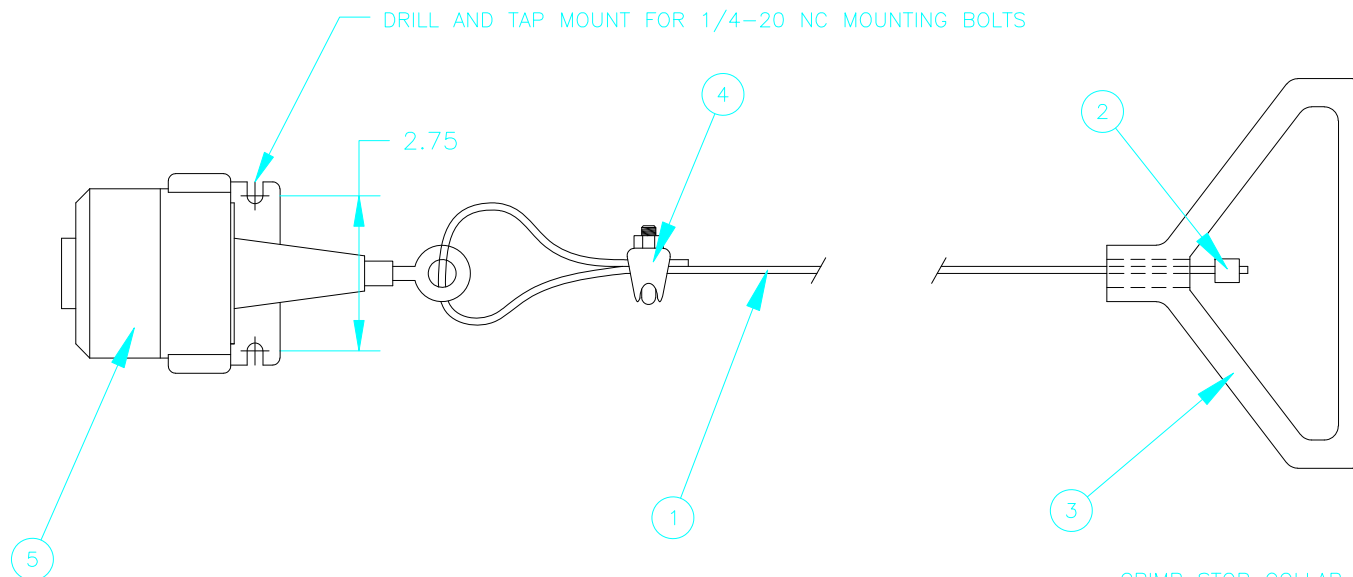
- NOTES:
1. ALL BOLTS SHOULD BE LOCITIED IN PLACE.
 2. INSTALL ANTI-ROTATE PIN SO IT ALLOWS MOVEMENT OF THE SLIPRING AS IT IS ROTATED 360 DEGREES.
 3. WHEN INSTALLING ON THE MACHINE MAKE SURE THE SLIPRING IS CENTERED TO PREVENT ECCENTRIC MIS-ALIGNMENT OF THE COMPONENTS DURING ROTATION.
 4. MAKE SURE AIR LINES ARE SECURED WELL TO PREVENT INTERFERENCE BETWEEN ROTATING AND NON-ROTATING LINES

Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	0319099	1	ANTI-ROTATE FORK
2	0336719	1	ANTI-ROTATE SLEEVE
3	0342225	1	RTORSEAL/SLIP RING MOUNT
4	0355056	1	ANTI-ROTATE PLATE
5	0350507	1	ANTI-ROTATE PIN PLATE
6	7059564	1	HDW SHDLBOLT 0.31 X 1.00
7	729692	4	CP (CART) 1Q3-35S 1/2T/4J4 NPT ELBOW
8	735135	1	18-WIRE SLIP RING WITH 2-PORT 1/4 NPT AIR UNION
9	736068	1	HDW SHDLBOLT 0.38 X 2.00 LG SLEE 5/16-24 THRD
BRENTON ENGINEERING 4750 CINDY ROAD 13 NE ALBUQUERQUE, NM 85006 904-551-1001 WWW.BRENTON-ENGINEERING.COM			
THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION.			
Temperatures Unless Noted °C °F °R °F			
Decimal 10 = .01 1/16" = .0625 100 = .005 1/32" = .03125	Angular 1/2" = 12.7mm 1/4" = 6.35mm	Fractional 1/2" = 12.7mm 1/4" = 6.35mm	TITLE SLIP RING W/ROTORSEAL 18 WIRE, 2 PORT CTS SCALE 1/2" = 1" 1/4" = 1" 1/8" = 1" 1/16" = 1" 1/32" = 1" 1/64" = 1" 1/128" = 1" 1/256" = 1" 1/512" = 1" 1/1024" = 1" 1/2048" = 1" 1/4096" = 1" 1/8192" = 1" 1/16384" = 1" 1/32768" = 1" 1/65536" = 1" 1/131072" = 1" 1/262144" = 1" 1/524288" = 1" 1/1048576" = 1" 1/2097152" = 1" 1/4194304" = 1" 1/8388608" = 1" 1/16777216" = 1" 1/33554432" = 1" 1/67108864" = 1" 1/134217728" = 1" 1/268435456" = 1" 1/536870912" = 1" 1/1073741824" = 1" 1/2147483648" = 1" 1/4294967296" = 1" 1/8589934592" = 1" 1/17179869184" = 1" 1/34359738368" = 1" 1/68719476736" = 1" 1/137438953472" = 1" 1/274877906944" = 1" 1/549755813888" = 1" 1/1099511627776" = 1" 1/2199023255552" = 1" 1/4398046511104" = 1" 1/8796093022208" = 1" 1/17592186044416" = 1" 1/35184372088832" = 1" 1/70368744177664" = 1" 1/140737488355328" = 1" 1/281474976710656" = 1" 1/562949953421312" = 1" 1/1125899906842624" = 1" 1/2251799813685248" = 1" 1/4503599627370496" = 1" 1/9007199254740992" = 1" 1/18014398509481984" = 1" 1/36028797018963968" = 1" 1/72057594037927936" = 1" 1/144115188075855872" = 1" 1/288230376151711744" = 1" 1/576460752303423488" = 1" 1/1152921504606846976" = 1" 1/2305843009213693952" = 1" 1/4611686018427387904" = 1" 1/9223372036854775808" = 1" 1/18446744073709551616" = 1" 1/36893488147419103232" = 1" 1/73786976294838206464" = 1" 1/147573952589676412928" = 1" 1/295147905179352825856" = 1" 1/590295810358705651712" = 1" 1/1180591620717411303424" = 1" 1/2361183241434822606848" = 1" 1/4722366482869645213696" = 1" 1/9444732965739290427392" = 1" 1/18889465931478580854784" = 1" 1/37778931862957161709568" = 1" 1/75557863725914323419136" = 1" 1/151115727451828646838272" = 1" 1/302231454903657293676544" = 1" 1/604462909807314587353088" = 1" 1/1208925819614629174706176" = 1" 1/2417851639229258349412352" = 1" 1/4835703278458516698824704" = 1" 1/9671406556917033397649408" = 1" 1/19342813113834066795298816" = 1" 1/38685626227668133590597632" = 1" 1/77371252455336267181195264" = 1" 1/154742504910672534362390528" = 1" 1/309485009821345068724781056" = 1" 1/618970019642690137449562112" = 1" 1/1237940039285380274899124224" = 1" 1/2475880078570760549798248448" = 1" 1/4951760157141521099596496896" = 1" 1/9903520314283042199192993792" = 1" 1/19807040628566084398385987584" = 1" 1/39614081257132168796771975168" = 1" 1/79228162514264337593543950336" = 1" 1/158456325028528675187087900672" = 1" 1/316912650057057350374175801344" = 1" 1/633825300114114700748351602688" = 1" 1/1267650600228229401496703205376" = 1" 1/2535301200456458802993406410752" = 1" 1/5070602400912917605986812821504" = 1" 1/10141204801825835211973625643008" = 1" 1/20282409603651670423947251286016" = 1" 1/40564819207303340847894502572032" = 1" 1/81129638414606681695789005144064" = 1" 1/162259276829213363391578010288128" = 1" 1/324518553658426726783156020576256" = 1" 1/649037107316853453566312041152512" = 1" 1/1298074214633706907132624082305024" = 1" 1/2596148429267413814265248164610048" = 1" 1/5192296858534827628530496329220096" = 1" 1/10384593717069655257060992658440192" = 1" 1/207691

REV	DESCRIPTION	DATE	BY
	REVISION		



Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	D0244854	PRODUCT SENSOR REFLECTOR MOUNT	
2	2	600320	REFLECTOR CLAMP	
3	1	733282	SENS SICK 4066979 BEF-W14/ELF 2 U-SHAPED MOUNTING BRACKET	
DRAWN msagedahl		4/18/2011	ORION PACKAGING INC. 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 CONVEYOR LOAD DETECTION ASSEMBLY	
SCALE		SURFACE AREA	DWG NO 0298961	FINISH
REMOVE ALL BURRS AND SHARP EDGES				



NOTE: CUT CABLE TO LENGTH
AFTER MOUNTING SWITCH AT
INSTALL, THEN SECURE CABLE
CLAMP.

CRIMP STOP COLLAR (ITEM 2) ONTO
CABLE PRIOR TO SHIPMENT.

1	727766	1	EA	MISC McMaster 9018T11-RED-251/8" WIRE ROPE WIRED VINYL COATING 25 FT SECTION
2	727767	1	EA	MISC McMaster 3914T3STOP COLLAR FOR 1/8" WIRE ROPE (PKG OF 50)
3	727769	1	EA	MISC MFGSUPPLY.COM 25-7723LANYARD PULL HANDLE
4	727798	1	EA	MISC McMaster 30325T26WIRE ROPE CLIP 1/8"
5	017065	1	EA	VGS Switch, Lanyard, REES #04958-100

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Tolerances Unless Noted	Brenton ENGINEERING	4750 County Road 13 NE Alexandria, MN 56308-9014
DECIMAL .00 ± .01 .000 ± .005	KIT REMOTE LANYARD	
FRACTIONAL ± 1/32"	DRAWN BY: jnori	APPROVED BY: SCALE: 1/2=1 DATE: 1/15/08
ANGULAR ± 1/2"	Finish: REMOVE ALL BURRS AND SHARP EDGES	Drawing No: D0244789

No.	ECO #	Description	Date	By
REVISION				

Surface Area: