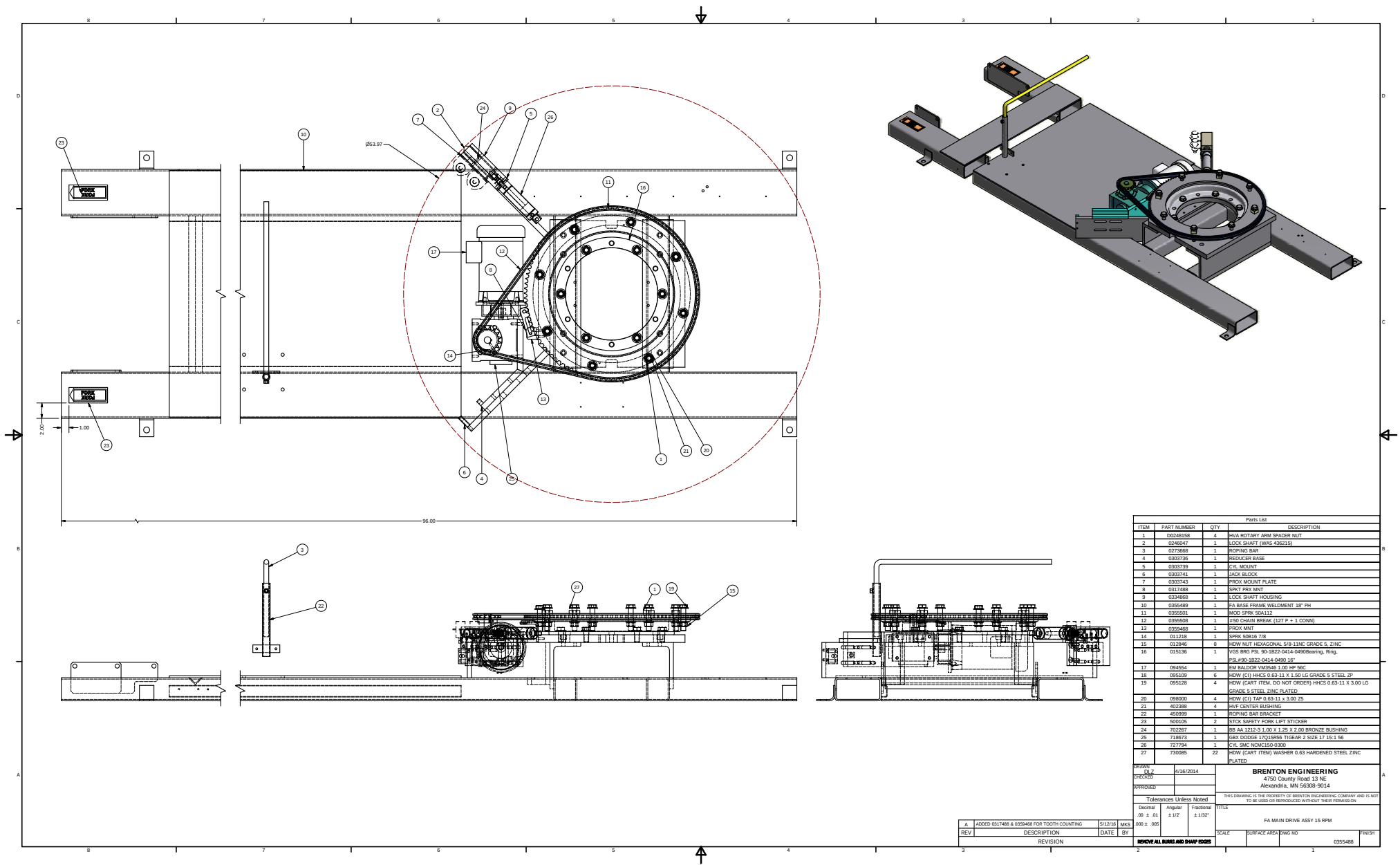
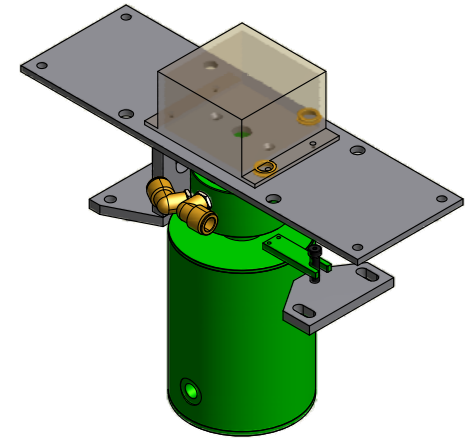
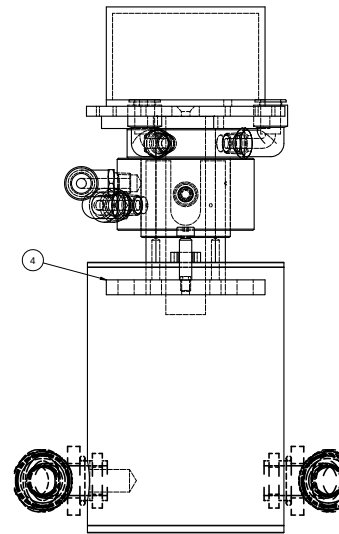
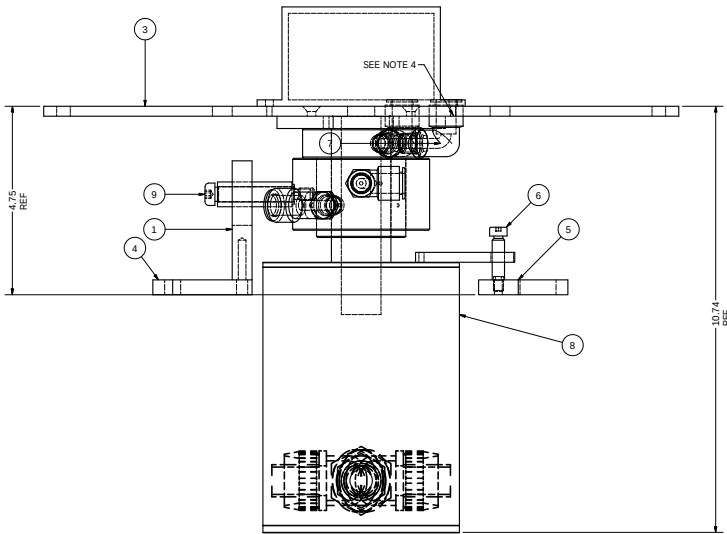
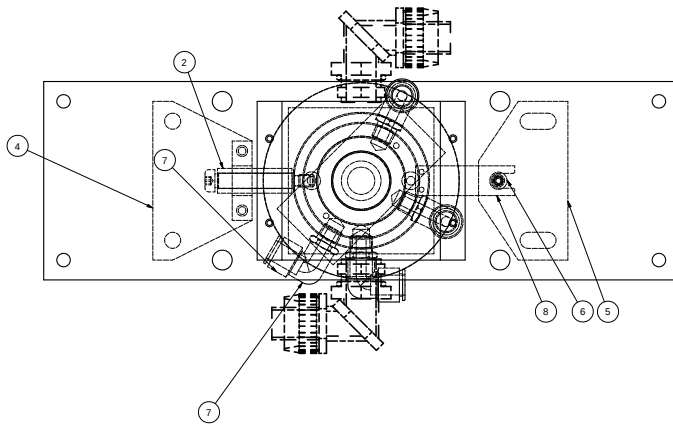
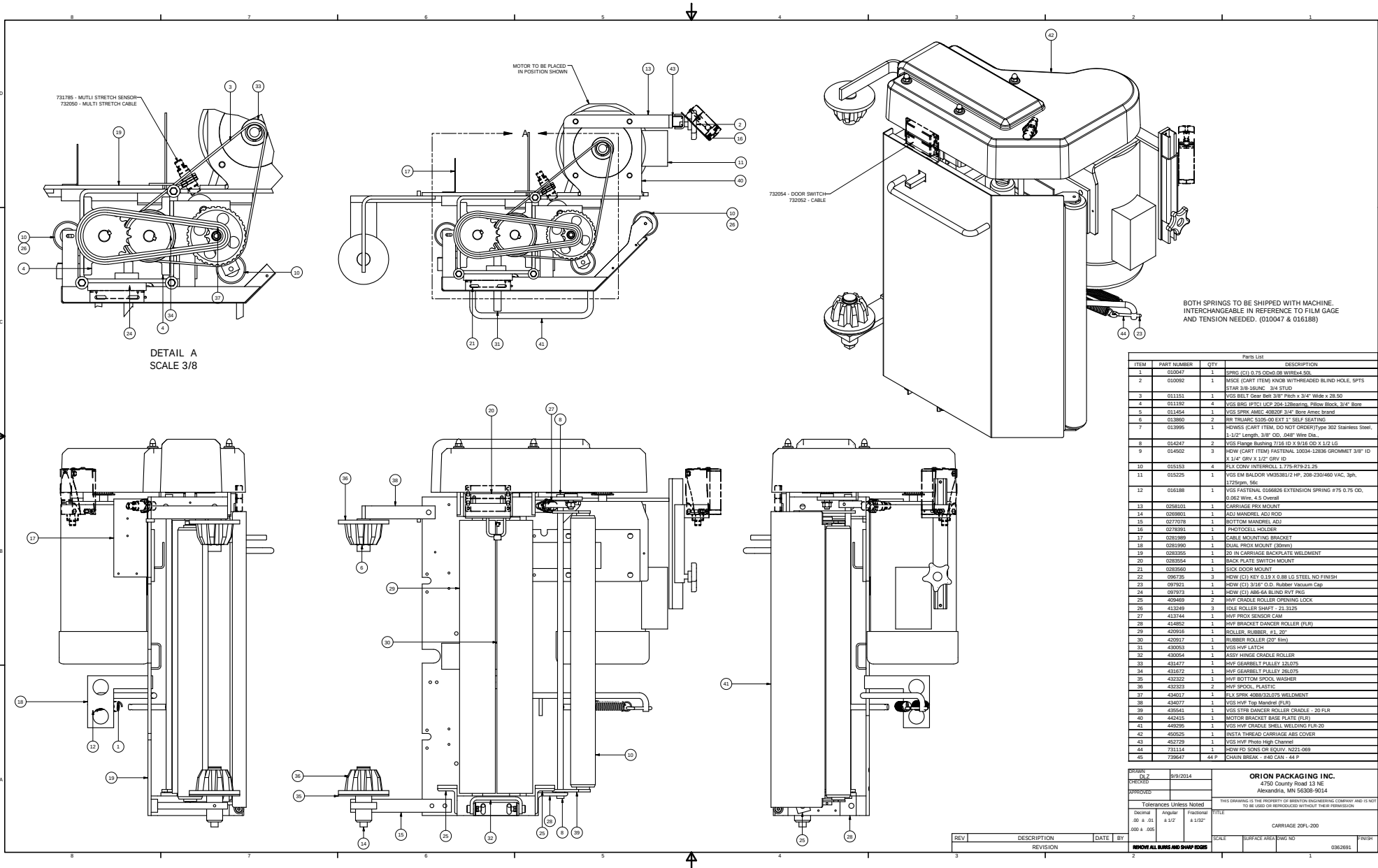






- NOTES:
1. ALL BOLTS SHOULD BE LOCTITED IN PLACE.
 2. INSTALL ANTI-ROTATE PIN SO IT ALLOWS MOVEMENT OF THE SLIPRING AS IT IS ROTATED 360 DEGREES.
 3. WHEN INSTALLING ON THE MACHINE MAKE SURE THE SLIPRING IS CENTERED TO PREVENT ECCENTRIC MIS-ALIGNMENT OF THE COMPONENTS DURING ROTATION.
 4. MAKE SURE 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	0386719	1	ANTI-ROTATE SLEEVE
3	0342225	1	ROTORSEAL/SLIP RING MOUNT
4	0355506	1	ANTI-ROTATE PLATE
5	0355507	1	ANTI-ROTATE PIN PLATE
6	705954	1	HDW SHLDBLT 0.31 X 1.00
7	729692	4	PC (CART) KO2L13-35S 1/2TX1/4 NPT ELBOW
8	735135	1	18-WIRE SLIP RING WITH 2-PORT 1/4 NPT AIR UNION
9	736068	1	HDW SHLDBLT 0.38 X 2.00 LG STEEL 5/16-24 THRD
DWG 4/22/2014			
CHECKED			
APPROVED			
Tolerances Unless Noted			
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2° ± 1/32°	Fractional ± 1/32"	DATE
BRENTON ENGINEERING 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.			
TITLE SLIP RING W/ROTORSEAL 18 WIRE, 2 PORT CTS			
REV	DESCRIPTION	DATE	BY
1	REVISION		
REMOVE ALL BURS AND SHARP EDGES			
FINISH			
SURFACE AREA (SQ IN)			
0355505			





Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0269103	CARRIAGE PROX MOTOR
1	1	0269103	AUX MANDREL ADJ ROD
1	1	0277056	30" INTACT CLUT BRUSH MOTOR
1	1	0277059	30" INTACT CLUT ROTATING BRUSH MOTOR
1	1	0277078	1" BOTTOM MANDREL ADJ
6	1	0277933	PROTECTOR HULL
1	1	0281369	CABLE MOUNTED BRACKET
1	1	0283495	1" IN CORRUGATED PLATE WELDMENT
6	1	0283576	30" CARRIAGE DUAL PROX MOTOR
10	1	0283654	BACK PLATE SWITCH MOTOR
11	1	0285650	SCISSOR MOTOR
1	1	0300497	SPRG 400 1/2" ID X 1/2" WIDE B556 SLS
1	1	0100902	MISC (PART 0100902) HORN W/RETRACTABLE BLIND GPT
14	4	0113182	SPR BBS 10" ID X 20" L2bearing, Flange Block, 3/4" Bore
1	1	0114542	PROTECTOR ARBIT
1	1	0135997	VGS CAN Chain Roller 40 (44 Lins+CL)
1	1	0138960	BR TRIMING 30" ID X 1" SELF SEATING
1	1	0139999	HOWAS CATY ITEM, DO NOT ORDER TYPE 30 Stainless Steel, 1-1/2" Length, 3/4" OD, 48" Wire Dia.
1	1	0142447	SPR Flange Bearing 7/16" ID X 9/16" OD X 1/16" LENGTH
30	9	0146402	SPRG CLUT CHAIN PASTERN 30" ID X 1/2" WIDE B556 SLS
1	1	0161838	SPRG 400 1/2" ID X 1/2" WIDE B556 SLS
1	1	0162152	FLNG WELD 4.5 General
1	1	0179897	ROLLER A, 30"
1	1	0194541	EM BALDOR W5694 1/40 HP 56C
1	1	0956504 (0446498)	SPRG CLUT CHAIN PASTERN, 3/16" X 1/4"
1	1	097573	SPRG CLUT 3/16" CLUT CHAIN Vacuum CUP
1	1	097973	SPRG CLUT 3/16" CLUT CHAIN Vacuum CUP
1	1	0204669	HP CRADLE ROLLER OPENING LOG
1	1	0204669	HP CRADLE ROLLER OPENING LOG
1	1	0204669	HP CRADLE ROLLER OPENING LOG
30	3	0144396	HP DUE ROLLER SHAPY 31.50" LG
1	1	0144652	HP BRACKET DANCER ROLLER 1/2"
1	1	0205118	FLNG COLL ROLLER RUBBER 20" LONG
1	1	020512	FLNG COLL ROLLER RUBBER 20" LONG
1	1	0218884	FLNG COLL ROLLER 1.9 DIA X 4.8
1	1	0260053	HP VHS LATCH
1	1	0260054	HP VHS KNOB CRADLE ROLLER
34	1	0314777	HP GEARBLT PALLEY 12L075
1	1	0316172	HP GEARBLT PALLEY 26L075
1	1	0325222	HP VHS BOTTOM SPCL WASHER
1	1	0325273	HP SPOOL, PALLEY
40	1	0340317	HP SPRG 400B 1/2" ID X 1/2" WIDE B556 SLS
1	1	0340377	HP VHS Top Mount PALLEY
42	1	0340377	HP VHS Top Mount PALLEY
1	1	0343116	ADJUSTED ROLLER HUNDS-1
1	1	0434341	HP R ASSY FIM FLIP PUNCH DRIVE- INSTA THIRD
1	1	0448422	INSTA DUTY PROX PROTECTOR
46	1	0450626	INSTA THREED CARRIAGE ABS COVER
1	1	0450678	CARRIAGE ROLLER SHELLS BEARING
1	1	0450741	CARRIAGE ROLLER ASSY- 30"
1	1	0452384	ROLLER 1.5 DIA X 2.5 B
50	1	0452087	BRUSH ASSY- 30" CARRIAGE
1	1	0452798	HP VHS Photo Hand 3" Wide
52	1	7284000	SPRG ROLL CHAIN 3/16" PALLEY 3" Wide X 26.50 HD KEVLAR

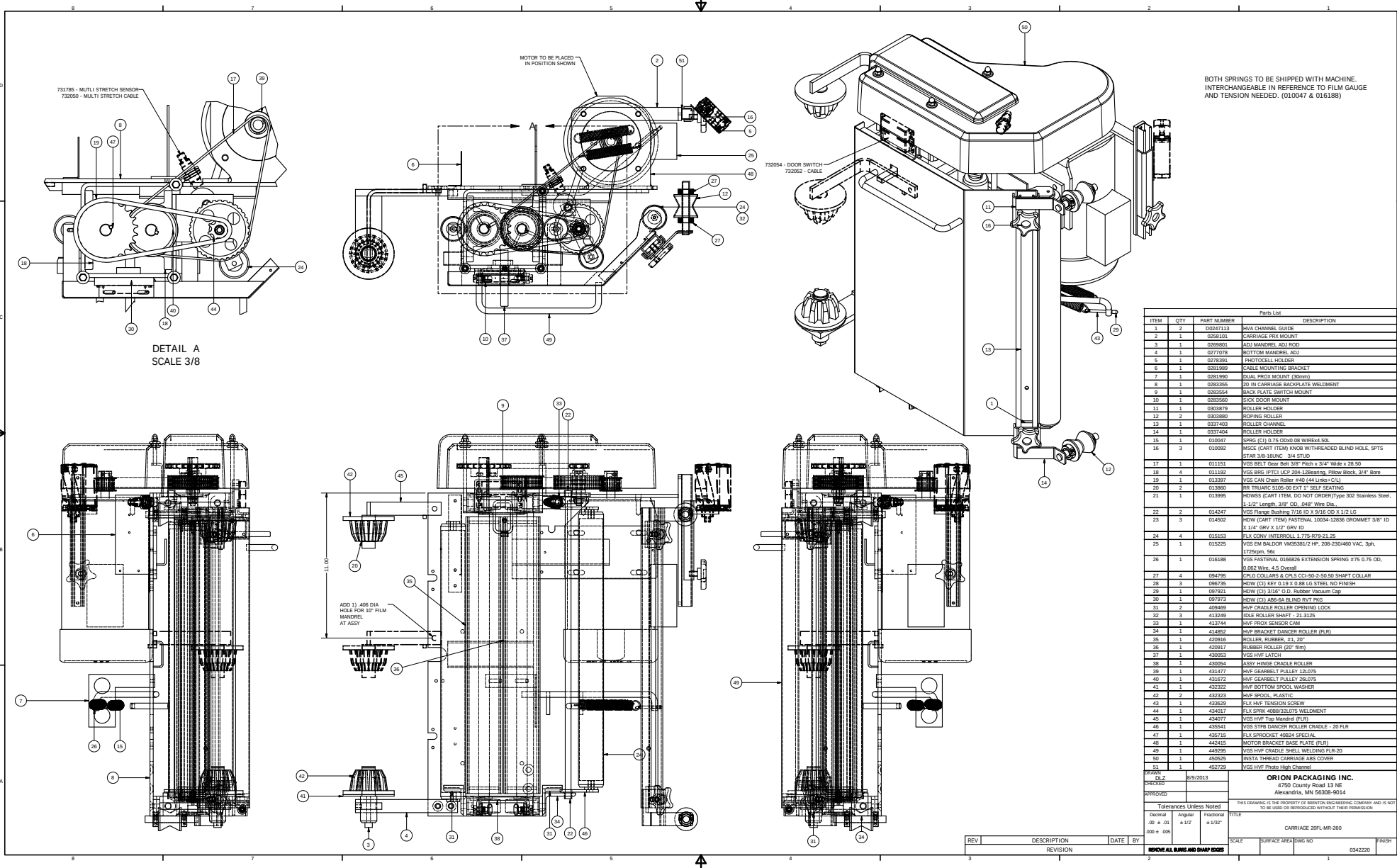
ORION PACKAGING INC.
4750 County Road 13 NE
Alexandria, MN 56308-9014

APPROVED		THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION	
Tolerances Unless Noted			
Revised	Number	Section	Notes

Decimal	Angular	Fractional	TITLE
.00 ± .01	± 1/2°	± 1/32"	CARRIAGE 30FL-1C-HVY-150
.000 ± .005			

QTY				SCALE	SURFACE AREA	DWG NO	FINISH
				REMOVE ALL BURRS AND SHARP EDGES		0356036	

A horizontal number line with tick marks at 0, 5, and 10. The segment from 0 to 5 is labeled with the number 2 below it. The segment from 5 to 10 is labeled with the number 1 below it.



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	D0247113	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 ROLL 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 Chain 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" GRV ID
24	4	015313	PLX CORV INTERROLL 1.715-R79-21.28
25	1	015525	VGS EM BALDOR VM538U1/2 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 & CPLS CCI-50-2-50-50 SHAFT COLLAR
28	3	086735	HOW (CI) KEY 0.19 X 0.88 LG STEEL NO FINISH
29	1	087921	HOW (CI) 1/2" O.D. Rubber Vacuum Cup
30	1	087973	HOW (CI) ASS-BL BLIND RVT PKG
31	2	409469	MVF CRADLE ROLLER OPENING LOCK
32	3	413249	LOLE 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	432328	MVF SPOOL PLASTIC
43	1	433829	PLX MVF TENSION SCREW
44	1	434017	VGS STE DANGER ROLLER CRADLE - 20 FLR
45	1	434077	VGS STEEP 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

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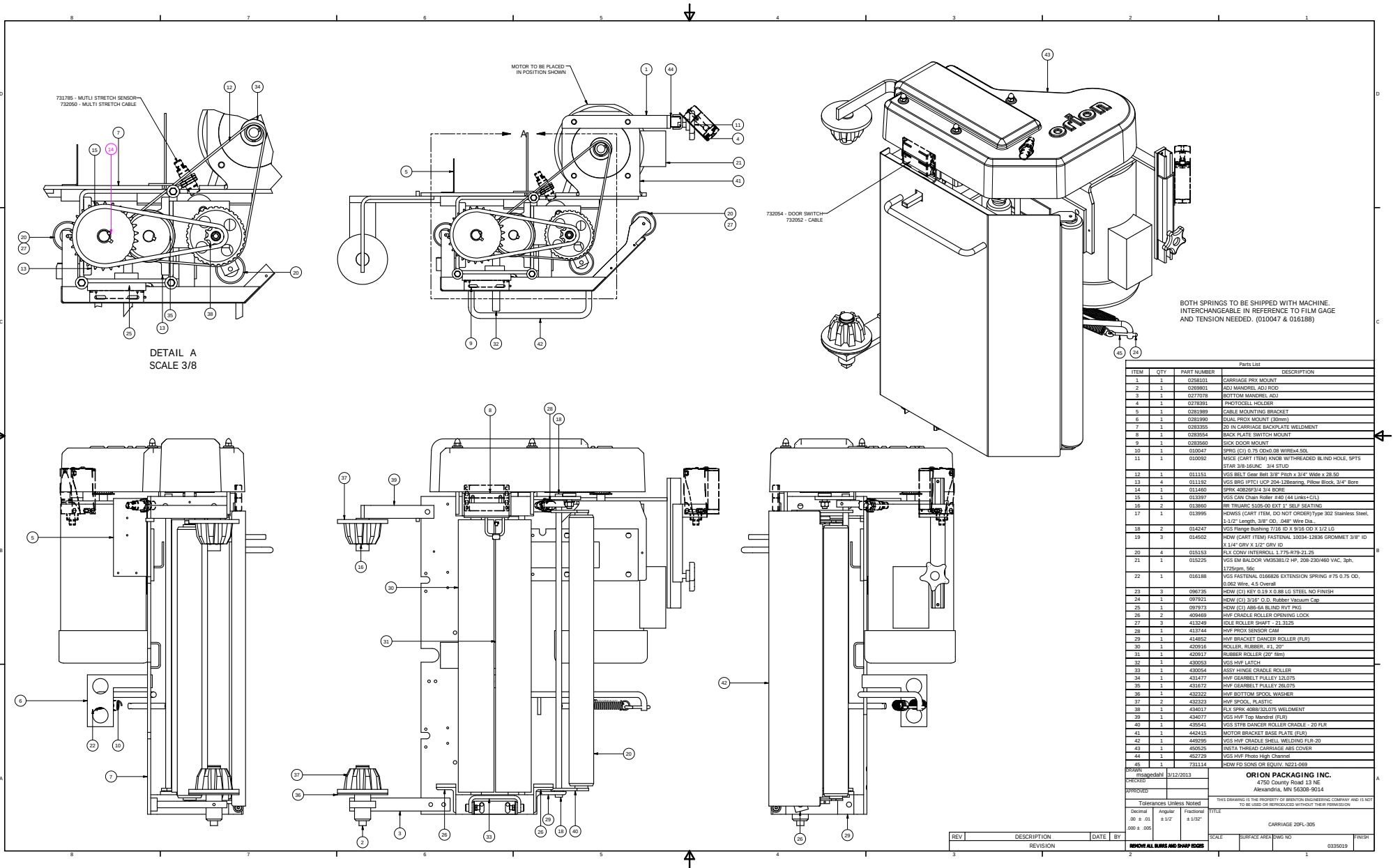
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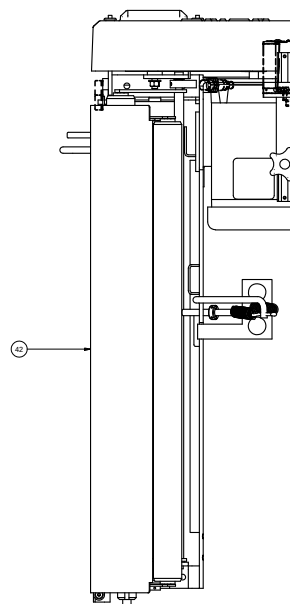
TOLERANCES UNLESS NOTED
Decimal .00 ± .01
Angular ± .1/2°
Fractional ± .1/32"

REVISIONS
REV DESCRIPTION DATE BY

DATE 01/19/2013
CHECKED
APPROVED

FILE CARRIAGE 20FL-MR-260
TITLE
SCALE SURFACE AREA (SQ IN) NO 0342220 FINISH





ITEM	QTY	Part's List	
		PART NUMBER	DESCRIPTION
1	1	020101	CARBIDE PRX MOUNT W/SHIELD
2	1	020903	400 MANDEL, ADJ. DRIVE
3	1	027078	BOTTOM MANDEL ADJ.
4	1	027491	PHOTOCELL HOLDER
5	1	028395	CABLE MOUNTING BRACKET
6	1	028360	30 IN CARTRIDGE BACK PLATE WELDMENT
7	1	028376	30" CARTRIDGE PLATE, MOUNT (30mm)
8	1	028364	BACK PLATE SWITCH MOUNT
9	1	028360	BACK COVER MOUNT
10	1	021047	SPRIG (CTS) 0.75 ODx30.80 W/SH4x5.0L
11	1	010002	SPICE CARTRIDGE 1/2"X1.50"X1.50" W/RETRACT BLIND HOLE. SPITS STAIN 3/8"X1.50"X1.50" 3/4 STD
12	4	011132	WHS BPTI JPCF U2K 204-12628. Yellow Block, 3/4" Bore
13	4	013390	VCS CARTRIDGE 1/2"X1.50"X1.50" 1/4" (4 Lines) 1/4" Bore
14	1	013390	IN TRAILER, 3/16" OD 3/4" ID 1/4" BORE
15	1	013395	PCWDS CARTRIDGE 1/2"X1.50"X1.50" 1/4" BORE
16	1	028427	LINE - 1/4" Length, 30" ID
17	2	028427	VCS Spring Beaching 7/16 IN O.D. 9/16 IN O.D. X 1/2 IN L.
18	1	090587 (014046)	VHS Spring Pin (Stainless, 3/16 x 1/4")
19	1	010550	HOW CARTRIDGE (FEDERAL, 10044-12636 GROMMET) 3/8" ID x 1/4" ID x 1/4" ID 3/8" ID
20	2	011818	VHS FASTENER, 0160628 EXTENDING SPRING .975 O.D. 3/8" ID, 4.5 Overall
21	2	011818	0.562 WIRE, 4.5 Overall
22	1	017687	ROLLER AL, 30"
23	1	090504	TM BALDOR VV654E 1.00 HP SSC
24	1	097921	KNOW (CUT) 3/16" O.D. Rubber Vacuum Cup
25	1	097973	KNOW (CUT) 3/16" AL BLIND ROT. PIN
26	1	403744	HPF CRADLE ROLLER OPENING LOCK
26	1	437444	HPF ROLLER SENSOR CAM
28	1	403744	HPF ROLLER SENSOR, 3" 3/16" Lx 1"
29	1	414862	HPF BRACKET DANGER ROLLER (FLR)
30	1	409019	FLV CONV. ROLLER RUBBER #1 30" LONG
31	1	409019	FLV CONV. ROLLER RUBBER #2 30" LONG
32	1	439054	VCS H/W LATCH
33	1	439054	ASSY HINGE CRADLE ROLLER
34	1	431477	HPF (GABRIELY) PLATE, 12075
35	1	431477	HPF (GABRIELY) PLATE, 12075
36	1	432322	HPF BOTTOM SPOOL, WELDMENT
37	1	432323	HPF SPOOL, PLASTIC
38	1	430077	FLX SPRK. ADJUST. WELDMENT
39	1	430077	VCS H/W (Flat, Flange)
40	1	442415	MOTOR BRACKET (BASE PLATE)
41	1	409626	INSTA THROUG-ROTOR BRASS COVER
42	1	409678	CRADLE ROLLER SHIELD WELDING
43	1	409678	DANGER ROLLER ASSY, 30"
44	1	409678	VCS H/W Photo Sensor, Chassis
45	1	731114	WHS FOR SONS OR ORG. N221-090
46	1	728400	PROCTOR Belt 3/8" Pitch x 3/4" Wide x 28.50 HD N221-AD
49	1	011452	MSILCET 40817

DRAWING DL7 CHECKED APPROVED		4/26/2012 		ORION PACKAGING INC. 4750 County Road 13 NE Alexandria, MN 56308-9014	
Tolerances Unless Noted Decimal Angular Fractional .00 ± .01 ± 1/2° ± 1/32" .000 ± .005		THIS DRAWING IS THE PROPERTY OF BREITENOW ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION CARRIAGE 30PL-HVY-150			
BY	SCALE	SURFACE AREA	DWG NO	FINISH	
REMOVE ALL BURRS AND SHARP EDGES				0320262	

PARTS LIST		
ITEM	QTY	PART NAME DESCRIPTION
1	1	025101 CARTRIDGE ROLLER ADJ
2	1	025102 CARTRIDGE ROLLER ADJ
3	1	027708 (MOTOR MANORL) ADJ
4	1	027836 PHOTOCELL BRACKET
5	1	028169 CABLE MOUNTING BRACKET
6	1	028365 ROLL IN CARTRIDGE CABLE PLATE WELDMENT
7	1	028376 30" CARTRIDGE DUAL PHOX MOUNT (30mm)
8	1	028384 CABLE PLATE SWITCH MOUNT
9	1	028386 CABLE DOOR MOUNT
10	1	030074 CHAIN BREAK .48" .48" P 1" X 1"
11	1	030074 SPRING (C) 0.75 OZD BR WIREKAL 500
12	1	030092 HOSE (C) 1/2" O.D. W/REINFORCED BULB HOUL 5/16" STAIN 316 SS/20
13	1	031151 HOSES BELT Gear Belt 3/8" Pitch x 3/4" Width x 28.50
14	1	031152 HOSES BPTC CUD 254-12bearing, Flow Switch, 3/4" Hose
15	1	031153 HOSE SPRK 40527 7/8" HOSE
16	2	031860 RIB TUBING 1/2" O.D. 30" ST. STEEL
17	1	031895 HOSES (C) 1/2" O.D. NOT OTHER TYPE 302 Stainless (used 1/2")
18	2	034247 HOSE Flange Housing 7/8" O.D. x 9/16" O.D. x 1/2 L
19	1	034658 HOSE (C) 1/2" O.D. STAIN 316 x 1 1/4"
20	3	034662 HOSE (C) 1/2" O.D. STAIN 316 x 1 1/4"
21	1	035888 HOSE FLANGE, 0.6886 EXTENSION SPRING #7.5 0.75 O.D. 0.682 Wt. 4.5 Ounces
22	3	037887 COLLAR 1/2" 30"
23	1	040554 BM BALDOR V5046 1.0 HP 562
24	1	057921 HOSE (C) 3/16" O.D. Rubber Vacuum Cap
25	1	057973 HOSE (C) 3/16" O.D. BLIND ROLL PWS
26	1	058069 HOSE CHASER ROLLER SPRING LOCK
27	1	413744 HOV PUMP ABS-CAM 4"
28	3	414385 HOV (DLE ROLLER SHAFT 1 3/16" LONG)
29	3	414386 HOV BRACKET CHASER ROLLER PUL
30	1	420018 HOV PUMP COLLAR ROLLER SPRING LOCK 1 3/16" LONG
31	1	420019 HOV PUMP COLLAR, RUBBER 82 30" - SHORT
32	1	430503 HOV HPS LATCH
33	1	430504 HOV HINGE CRADLE ROLLER
34	1	431477 HOV GEMBERT LIALEY 12/075
35	1	431472 HOV GEMBERT LIALEY 26/075
36	1	432003 HOV BOTTOM CHOC, MASHER
37	2	432333 HOV-POOL, PLASTIC
38	1	432617 HOV SPRK 4088/12075 WELDMENT
39	1	432677 HOV HOV Top Mandrel PUL
40	1	432678 HOV MOTOR BRACKET BASE PLATE (R)
41	1	450525 INSTA-THREAD CARTRIDGE ABS COVER
42	1	450578 CHASER ROLLER SHUT WELDING
43	1	450580 CHASER ROLLER SHUT
44	1	452729 HOV PUMP High Chancel
45	1	731114 HOV DW SCNS OR EQUIV. N221-609

madeup 06/14/2011

checked

approved

ORION PACKAGING INC.

4750 CROSBY RD. N.E.

ALBUQUERQUE, NM 86008-3941

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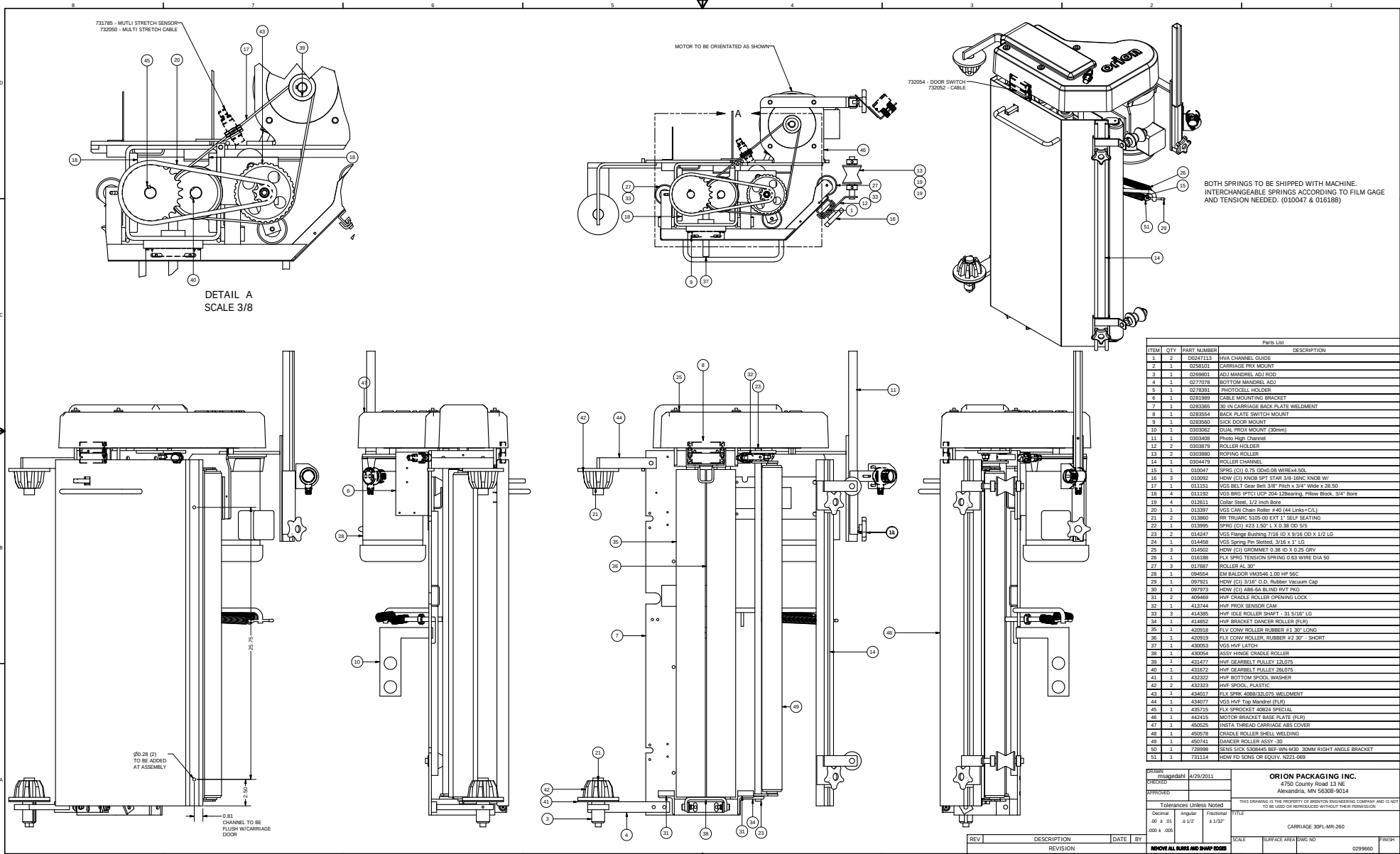
SCALE CARTRIDGE 30FL-300

Terminology Unless Noted

Decimal	Angular	Rational
0.00 ± .01	1/16"	1/32"
0.00 ± .005	1/8"	1/16"

SCALE SURFACE FINISH: 32

0303073



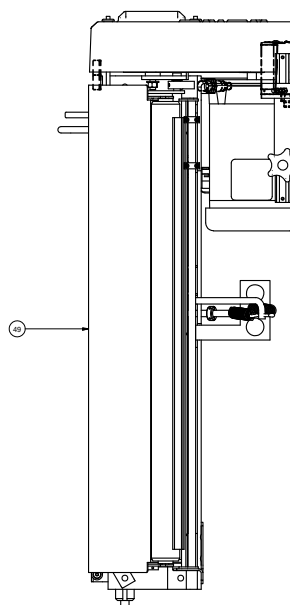
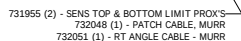
BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE SPRINGS ACCORDING TO FILM GAGE
AND TENSION NEEDED. (010047 & 016188)

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	00047113	HVA CHANNEL GUIDE
2	1	0298101	CARRIAGE PROX MOUNT
3	1	0009801	401 MANORIEL NO. PRO
4	1	0277078	BOTTOM MANORIEL ADJ
5	1	0278391	PHOTOCELL HOLDER
6	1	0281359	CABLE MOUNTING BRACKET
7	1	0283305	30 IN CARRIAGE BACK PLATE WELDMENT
8	1	0283954	BACK PLATE SWITCH MOUNT
9	1	0285560	SHOCK DOOR MOUNT
10	1	0285952	DUAL PROX MOUNT (30mm)
11	1	0303408	Photo High Channel
12	2	0303879	ROLLER HOLDER
13	2	0303880	DOORING ROLLER
14	1	0304479	ROLLER CHANNEL
15	1	010047	SPRNG (C) 0.75 ODx0.08 WIRE#4.50
16	3	010052	HDW (C) ANCHR SPT STAP 236-18NC KNCR W/
17	1	011151	VDS BELT Gear Box 3/8" Pitch x 3/4" WBS x 28.50
18	4	011192	VDS BRG IPTCI UCP 204-12bearing, Pillow Block 3/4" Bore
19	4	012611	Cutter Steel 1/2 inch Bore
20	1	013397	VDS CAR Chain Roller #40 (44 Links+CAL)
21	2	013860	BB TILUARC 5105-00 EXT 1" SELF SEATING
22	1	013995	SPRNG (C) #23 1.50" L X 0.38 OD S/S
23	2	014247	VDS Fringe Rollring 1205 ID X 50.08 OD X 1/2 LG
24	1	014458	VDS Spring Pin Bolted 3/16 X 1" LG
25	3	014502	HDW (C) GROMMET 0.38 ID X 0.25 GRV
26	1	014588	FLX SPRG TENSION SPRING 0.62 WIRE DIA 50
27	2	017687	ROLLER AL 20"
28	1	024554	EM BALDOR VM546 1.00 HP SBC
29	1	027521	HDW (C) 3/16" O.D. Rubber Vacuum Cap
30	1	027573	HDW (C) 406-66 BLIND BOLT PNC
31	2	409469	HVF CRADLE ROLLER OPENING LOCK
32	1	413744	HVF PROX SENSOR CAM
33	3	414265	HVF IDLE ROLLER SHAFY 31 5/16" LG
34	1	414852	HVF BRACKET DANCER ROLLER (PLR)
35	1	420918	FLV CONV ROLLER RUBBER #1 30" LONG
36	1	420919	FLX CONV ROLLER RUBBER #2 30" - SHORT
37	1	430063	VDS HMF LATCH
38	1	430064	ASSY HINGE CRADLE ROLLER
39	1	431477	HVF GEARBELT PULLEY 120.075
40	1	431672	HVF GEARBELT PULLEY 250.075
41	1	432322	HVF BOTTOM SPOOL WASHER
42	2	432323	HVF SPOOL PLASTIC
43	1	434817	FLX SPRG 4854S103 WELDMENT
44	1	434977	VDS HVF Top Manors (PLR)
45	1	435715	FLX SPROCKET 4854 SPECIAL
46	1	442435	MOTOR BRACKET BASE PLATE (PLR)
47	1	452225	INSTA THREAD COUPLAGE ASS COVER
48	1	450578	CRADLE ROLLER SHELL WELDING
49	1	450741	DANCER ROLLER ASSEMBLY
50	1	720996	SENS SACK 300x45 SFC 30x1x150 30MM RIGHT ANGLE BRACKET
51	1	731114	HDW PD SONG OR EQUIV. NUTS 065

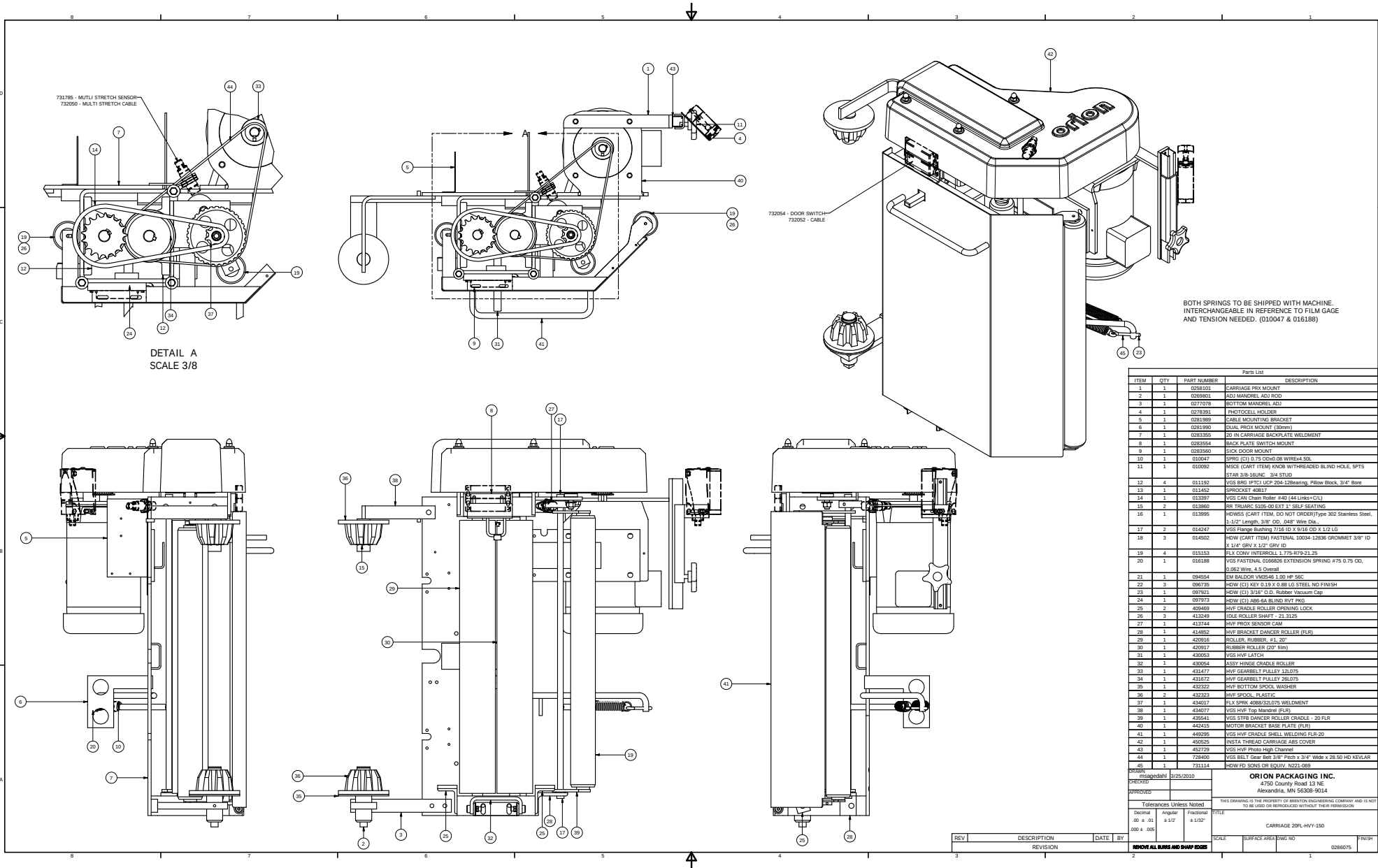
DATE	4/29/2011
DRAWN	mtgadel
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APPROVED	
Tolerances Unless Noted	
Decimal	Angular
.00 ± .01	± 1/2°
.000 ± .005	± 1/32°
THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION.	
ORION PACKAGING INC.	
4750 County Road 13 NE	
Alexandria, MN 56308-9014	
TITLE	
CARRIAGE 30PL-MR-260	
SCALE	SURFACE AREA (SQ IN)
	0295660
FINISH	



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



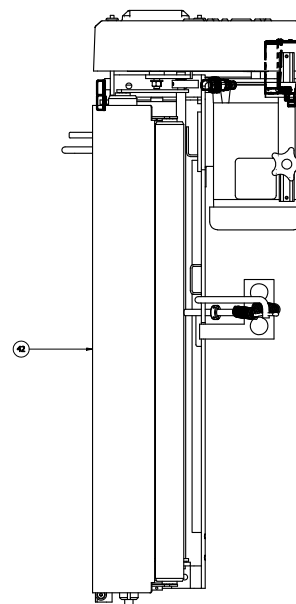
			Parts List		DESCRIPTION	
ITEM	QTY	PART NUMBER				
1	1	0282630			CARDIAC PUMP MOTOR	
2	1	0282605			ADA MANIFOLD, 42.0 INCH	
3	1	0277058			3Pc INSTA-CUT BRUSH MOTOR	
4	1	0277059			3Pc INSTA-CUT INSTATING BRUSH MOTOR	
5	1	0277079			2Pc INSTA-CUT BRUSH MOTOR	
6	1	0277086			3Pc BRUSH MOTOR	
7	1	0279393			PHOTOCELL HOLDER	
8	1	0281389			2Pc INSTA-CUT BRUSH MOTOR	
9	1	0283365			30 IN CARTRIDGE BACK PLATE WELDMENT	
10	1	0283376			3Pc CARTRIDGE DUAL-PROD MOTOR (30mm)	
11	1	0283376			12 IN PLATE SWITCH MOTOR	
12	1	0283660			500 CK MOTOR	
13	1	0310047			SPRING (0.5 CD) 200 LB WIRELESS SOL	
14	1	0300602			SCREW (CARTRIDGE AND KNOB) CR6200 7/16 INCH BLND HD, 9PT 2.5 INCH 3/16 INCH 3/4 STD	
15	1	0311351			VEE BELT 3/8" CH "3Pc 3/4" Pitch x 3/4" Width x 28.50	
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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	WSPR (CART ITEM) KNOB WITH-THREADED BLIND HOLE, SPTS
12	4	011192	STAR 3/8-16UNC 3/4 STUD
13	1	011452	WSS BRG 1/2" 1C" 204-12Bearing, Pillow Block, 3/4" Bore
14	1	013367	WSS CAN Chain Roller #40 (44 Links+CL)
15	2	013960	BR THRUAMC 5125-00 EXT 1" SELF HEATING
16	1	013995	POWDR (CART ITEM, DO NOT CREDIT)Type 302 Stainless Steel, 1-1/2" Length, 3/8" OD, .048" Wre Dia.
17	2	014247	WSS Flange Bushing 7/16 ID x 9/16 OD x 1/2 LG
18	3	014602	HOW (CART ITEM) PASTONAL 10034-12636 GRIMMET 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	WSS PASTONAL TURNIN EXTENSION SPRING #75 0.75 OD, 0.062 Wre, 4.5 Overall
21	1	084554	EM BALDOR VM546 1.00 HP 56C
22	3	086735	HOW (C) KEY 0.19 X 0.88 LG STEEL NO FINISH
23	1	087921	HOW (C) 3107 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	SOLE 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	WSS HVF LATCH
32	1	430544	ASSY WINGE 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	432653	HVF SPOOL PLASTIC
37	1	434017	PLA SPRK ASSB 12.075 WELDMENT
38	1	434077	WSS HVF Top Mandrel (FLR)
39	1	435441	WSS STR DANGER ROLLER CRADLE - 20 FLR
40	1	442415	MOTOR BRACKET BASE PLATE (FLR)
41	1	442695	WSS HVF CRADLE SHELL WELDING FLR 20
42	1	450525	INSTA THREAD CARRIAGE ABS COVER
43	1	451729	WSS HVF Photo Photo Channel
44	1	729400	WSS BELT Gear 3/8" Pitch x 3/4" Wide x 28.50 HD KEVLAR
45	1	731114	HOW PD SONS OR EQUIV N221-069
REV			
DESCRIPTION			
DATE			
BY			
REVISION			
REMOVAL BURS AND SHARP EDGES			
TOLERANCES UNLESS NOTED			
Decimal	Angular	Fractional	
.00 ± .01	± 1/2°	± 1/32"	
.00 ± .005			
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ORION PACKAGING INC.			
4750 County Road 13 NE			
Alexandria, MN 56308-9014			
DATE			
SURFACE AREA (SQ IN)			
FINISH			
CARRIAGE 20L-HVY-150			
0286075			



DETAIL A
SCALE 3/8



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

ITEM	QTY	PART NUMBER	Part Name	DESCRIPTION
1	1	026801	CARGAGE PNC ROLLER	
2	1	026802	AD HANDLER, ADI ROD	
3	1	027076	BOTTOM HANDLER, ADI	
4	1	027091	PHOTOCLIP HOLDER	
5	1	028589	CABLE HOISTING BRACKET	
6	1	028586	10 IN CARGAGE BACK PLATE WELDMENT	
7	1	028574	30" CARGAGE DUAL PUNCH ROLLER (30mm)	
8	1	028559	BACK PLATE SMOOTH ROLLER	
9	1	028569	SPZ2 DOOR LATCH	
10	1	030497	SPRG (CZ) 0.75 Odn6.0 Withrd. Sol.	
11	1	030692	HEMS (CART TYPE) 30mm HEMWELD, 50" STAR, 30mm HEMWELD	
12	1	031131	WEG BELT GEAR 3/4" Pitch x 3 1/2" Dia. x 28.30	
13	1	031192	WEG SING IPTCLD 200x234mm, Pillow Block, 30" Bore	
14	1	031397	WEG CH Chain 1040, 40 (4118x142)	
15	1	031400	WEG TRANC 110x160 1" SELF SEATING	
16	1	031965	HEMS (CART TYPE) AD, NOT ORDER)Type 302 Stainless Steel, 1/4"2" Length, 30" OD, 40" Hgt Wtd	
17	2	031407	WEG Flange 100mm DIA 82 x 3/8 x 10 x 1/8 Lbs	
18	1	031408	WEG Spring Pin Sealed, 3/16 x 1/8 Lbs	
19	3	031602	HEMS (CART TYPE) STANDARD 1000x1200x GRONHET 3/4" x 1/4" 400 x 1200 wtd 1000	
20	1	031610	HEMS FACTORIAL GRONHET POSITION SPRNG #75 0.75 OZ. ROLLER WEG, 4.5 Ounc	
21	3	031767	HEMS (CART TYPE) 30mm HEMWELD, 50" STAR, 30mm HEMWELD	
22	1	035954	HEM BULKHEAD W/SHIMS 1.00 INB SPC	
23	1	037921	HEMS (CZ) 3/16" O.D. Rubber Vacuum Cup	
24	1	037973	HEM (CZ) AB-54 BLVD R/PD	
25	2	40949	HEM CHAINLE ROLLER SPROCKET	
26	1	40949	HEM PRICE BRACKET CHAIN	
27	3	41086	HEM DUAL ROLLER SHFT - 31.916" LBS	
28	1	41082	HEM CHAINLE ROLLER SPROCKET	
29	1	420919	FLX COMB ROLLER, NUMBER 41 35" SHORT	
30	1	420919	FLX COMB ROLLER, NUMBER 42 30" SHORT	
31	1	420903	HEM HAP LATCH	
32	1	420954	HEM HINGE CHAINLE ROLLER	
33	1	431777	HEM GRABBER PALLET 120x75	
34	1	431872	HEM GRABBER PALLET 26x75	
35	1	432222	HEM BOTTOM SPOOL WAGON	
36	2	432333	HEM SPOOL, FLAT	
37	1	430617	FLX SPC - 60mm(2.3625) WELDMENT	
38	1	430677	HEM HAP TOP SPOOL	
39	1	435715	FLX SPROCKET WHEEL SPECIAL	
40	1	435715	HEM WAGON BACK PLATE (FLAT)	
41	1	430625	INSTA TRUSS CARGAGE ASIS COVER	
42	1	430578	CHAINLE ROLLER SHEL WELDING	
43	1	430578	CHAINLE ROLLER ASST 30"	
44	1	432729	HEM HAP HOP High Channel	
45	1	731114	HEM W/DO SCORS OR EQUIV, 10221-00	

DATE: 10/20/2010
 Prepared: 10/20/2010
 APPROVED: _____

ORION PACKAGING INC.
 4750 County Road 12
 Alexandria, MN 55003-9014

Tolerances Unless Noted		TITLE
Decimal 30 ± .01 100 ± .005	Angular 1/16° 1/32°	FINISH ± .0001

BY: _____
 DATE: _____

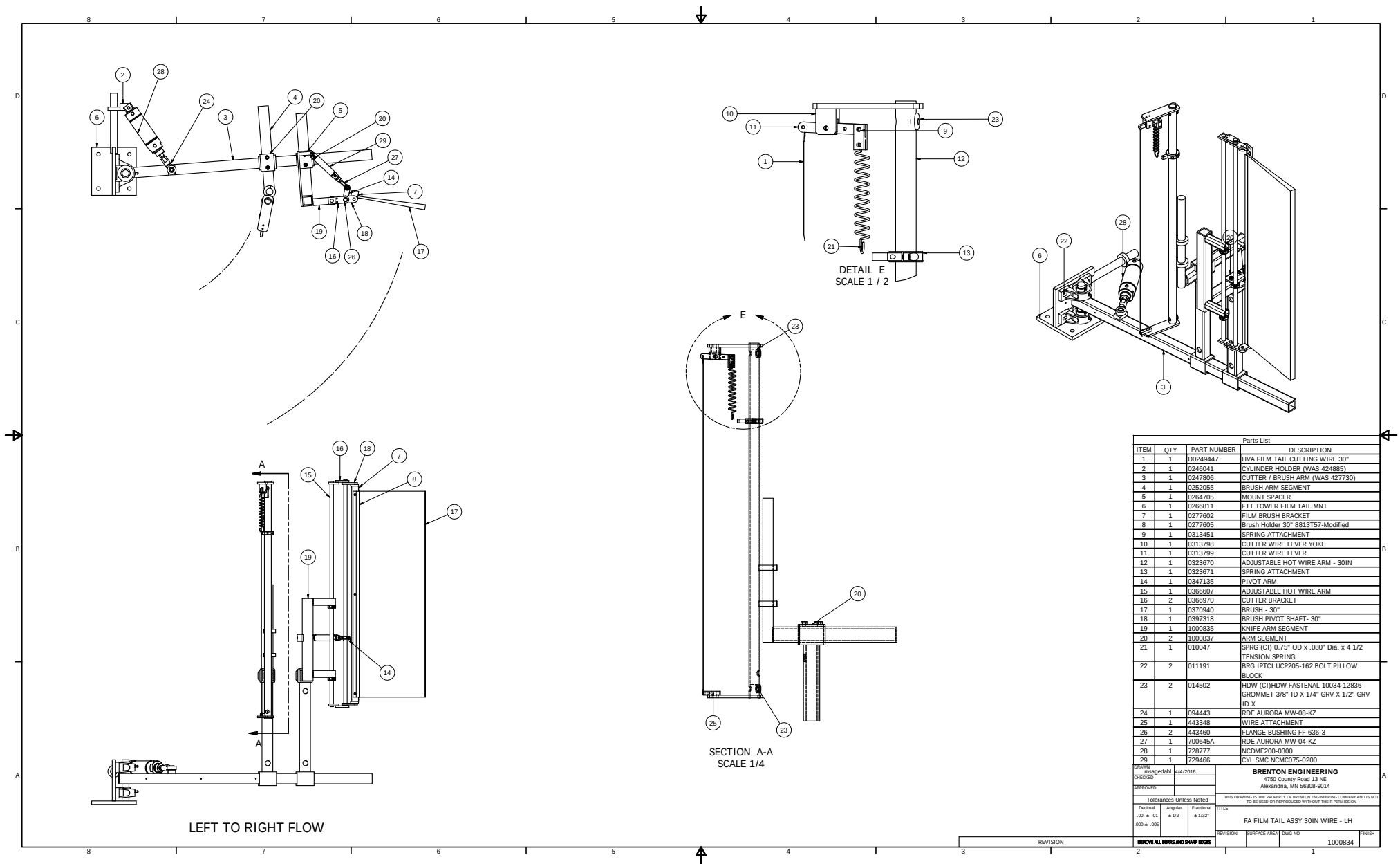
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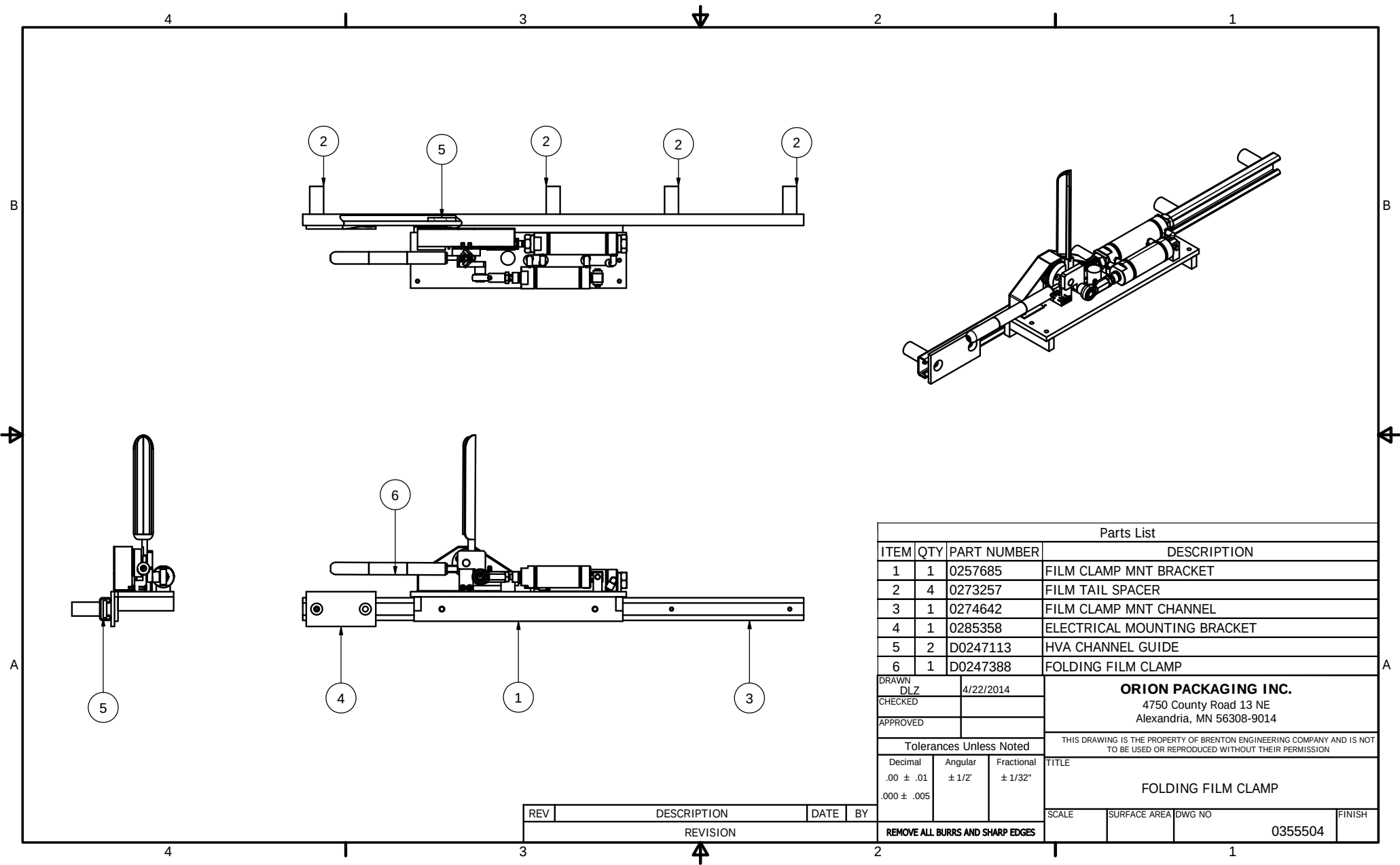
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CARGAGE 301-260

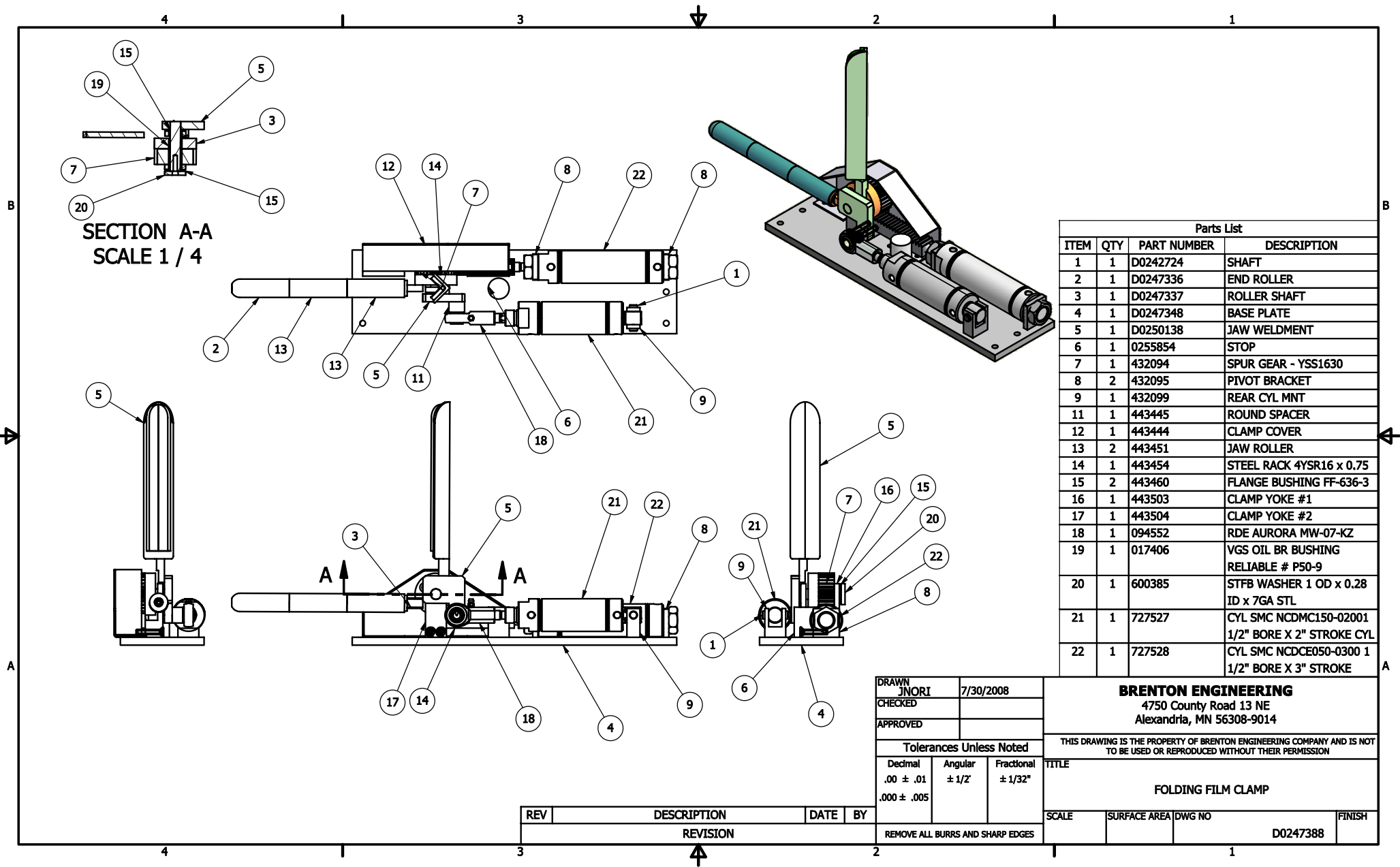
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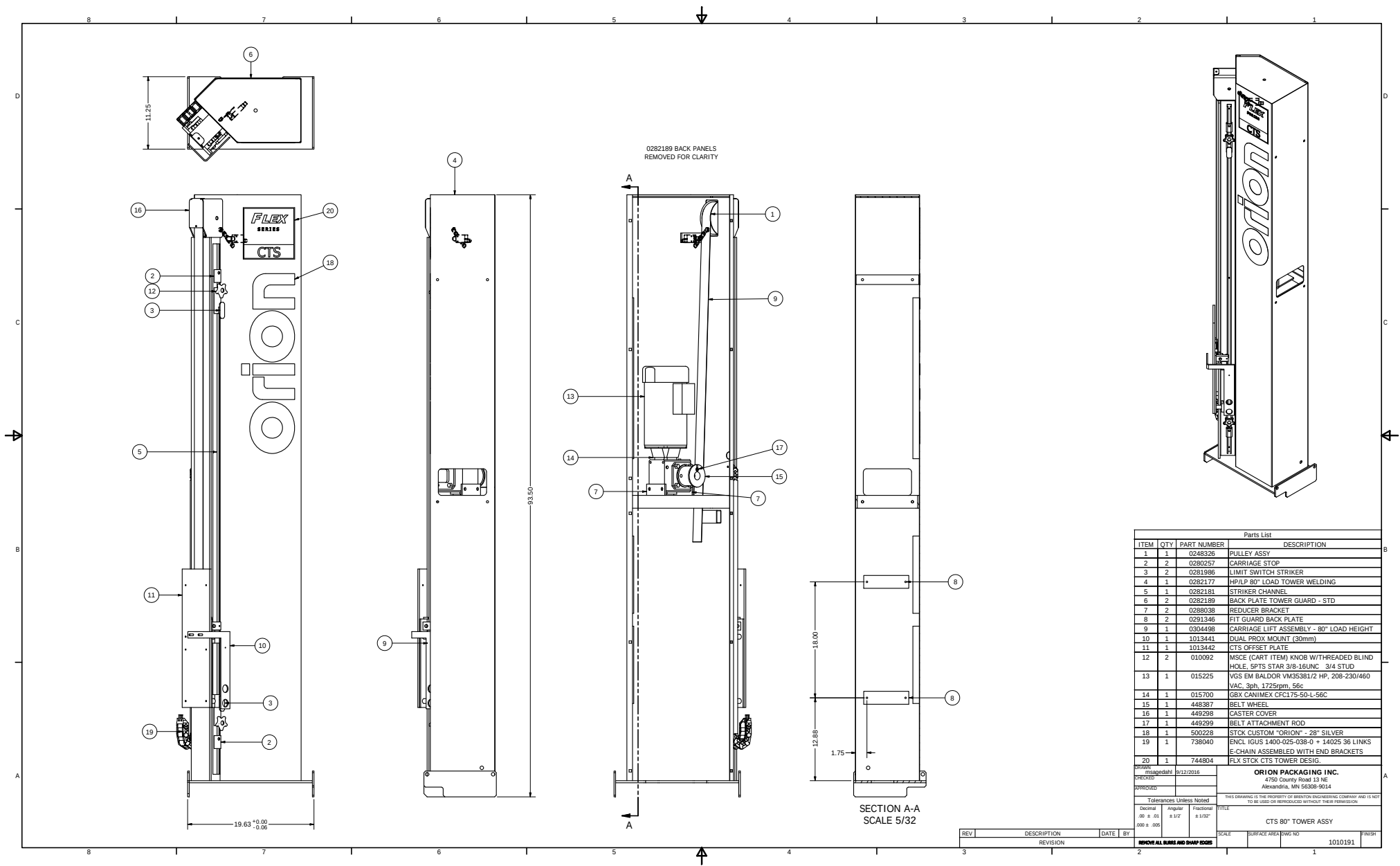
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0258101	CARRIAGE PRX MOUNT
2	1	0269801	ADJ MANDREL ADJ ROD
3	1	0277078	BOTTOM MANDREL ADJ
4	1	0278391	PHOTOCELL HOLDER
5	1	0281989	CABLE MOUNTING BRACKET
6	1	0283365	30 IN CARRIAGE BACK PLATE WELDMENT
7	1	0283376	30" CARRIAGE DUAL PROX MOUNT (30mm)
8	1	0283554	BACK 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



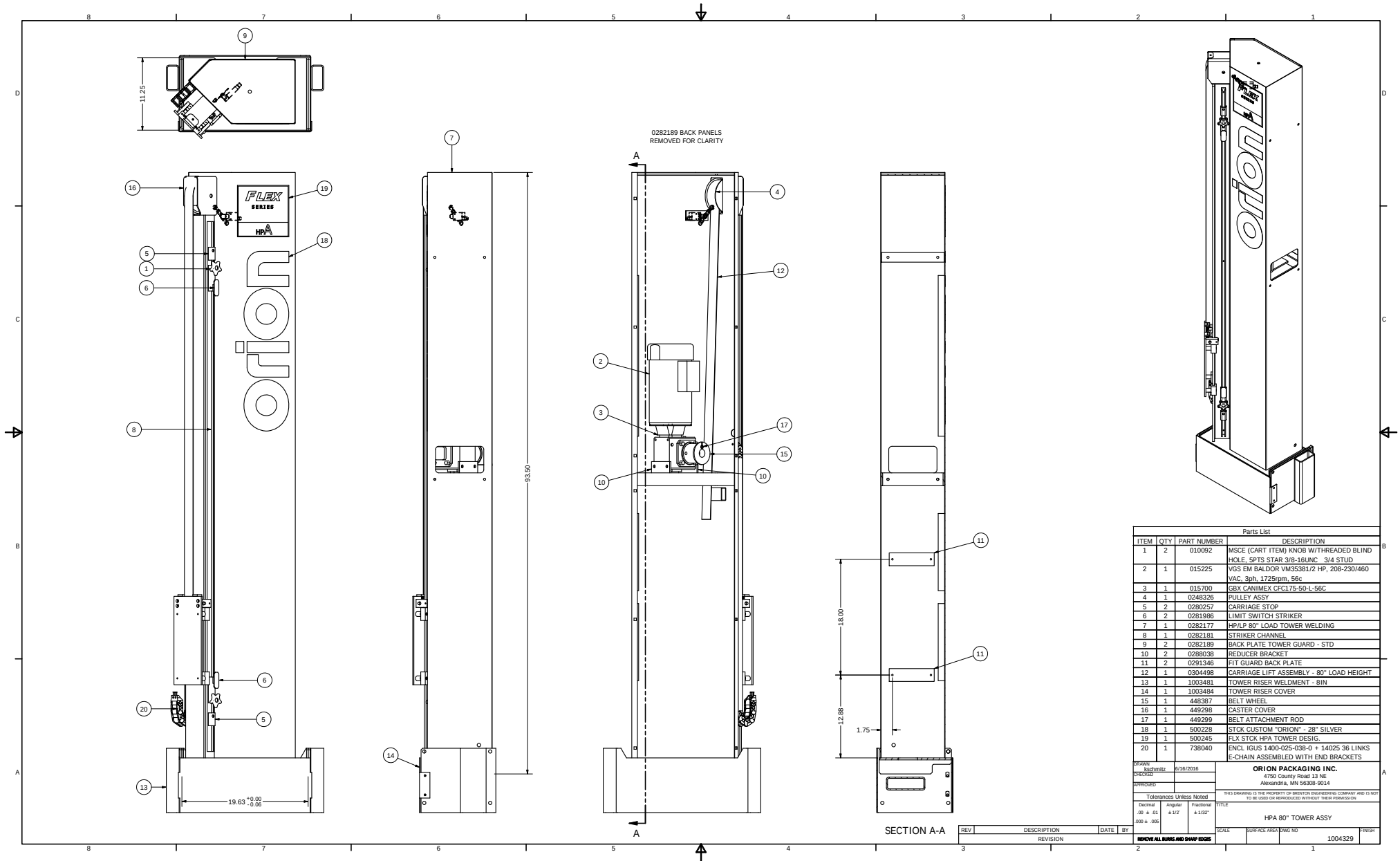


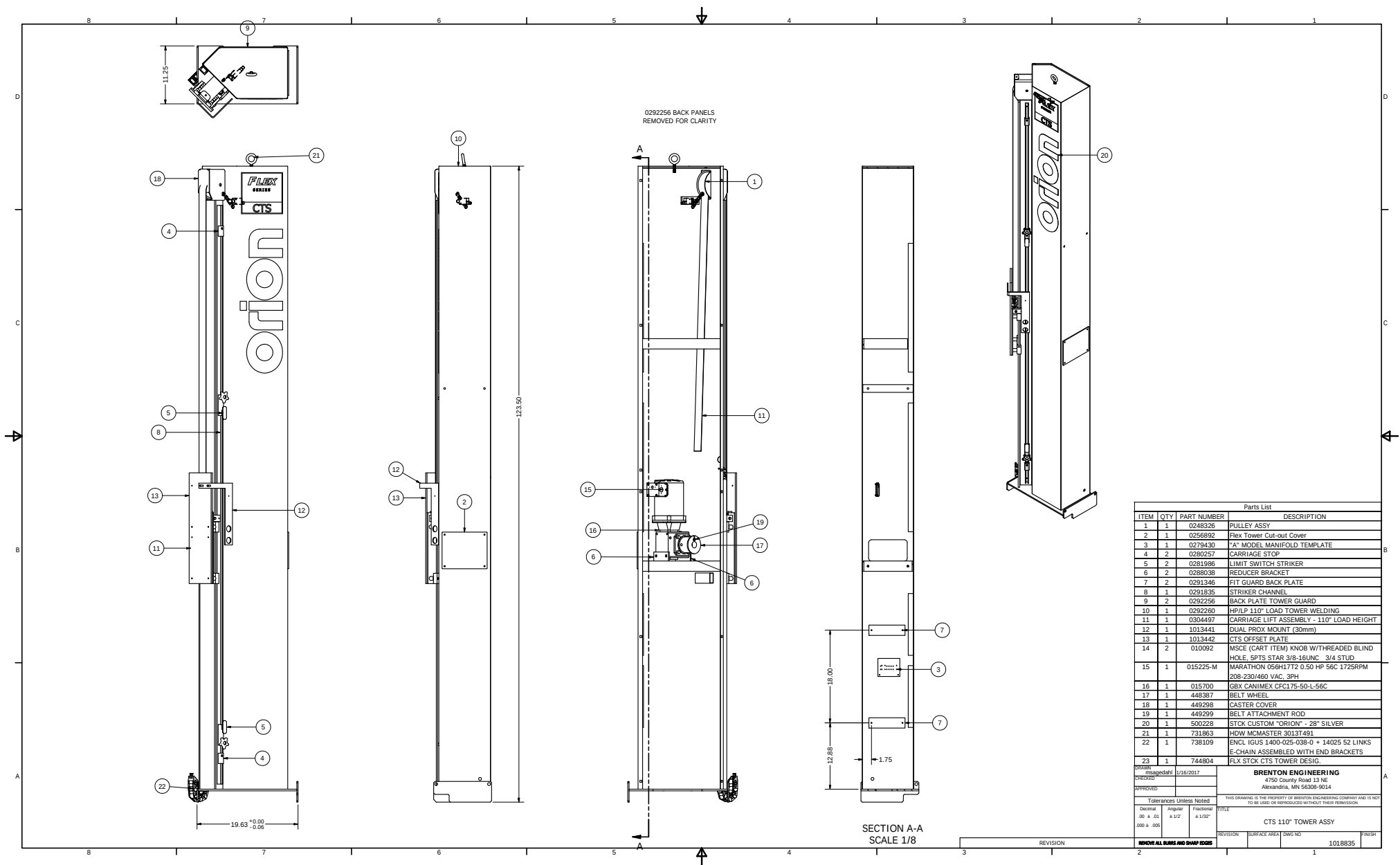
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0257685	FILM CLAMP MNT BRACKET
2	4	0273257	FILM TAIL SPACER
3	1	0274642	FILM CLAMP MNT CHANNEL
4	1	0285358	ELECTRICAL MOUNTING BRACKET
5	2	D0247113	HVA CHANNEL GUIDE
6	1	D0247388	FOLDING FILM CLAMP
DRAWN		DLZ	4/22/2014
CHECKED			
APPROVED			
Tolerances Unless Noted			THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION
Decimal	Angular	Fractional	
.00 ± .01	± 1/2°	± 1/32"	TITLE
.000 ± .005			FOLDING FILM CLAMP
REMOVE ALL BURRS AND SHARP EDGES		SCALE	SURFACE AREA
		DWG NO	FINISH
		0355504	

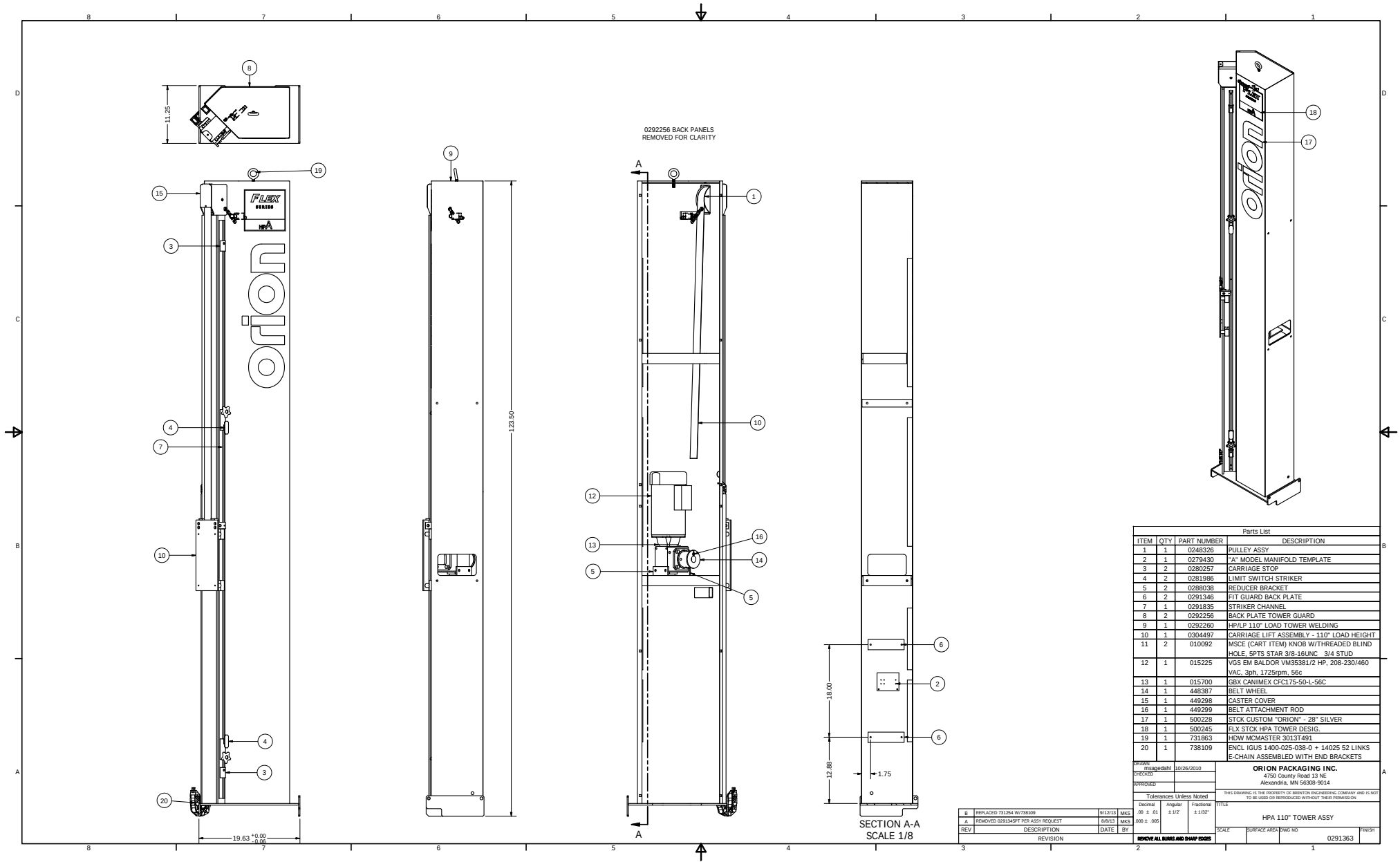


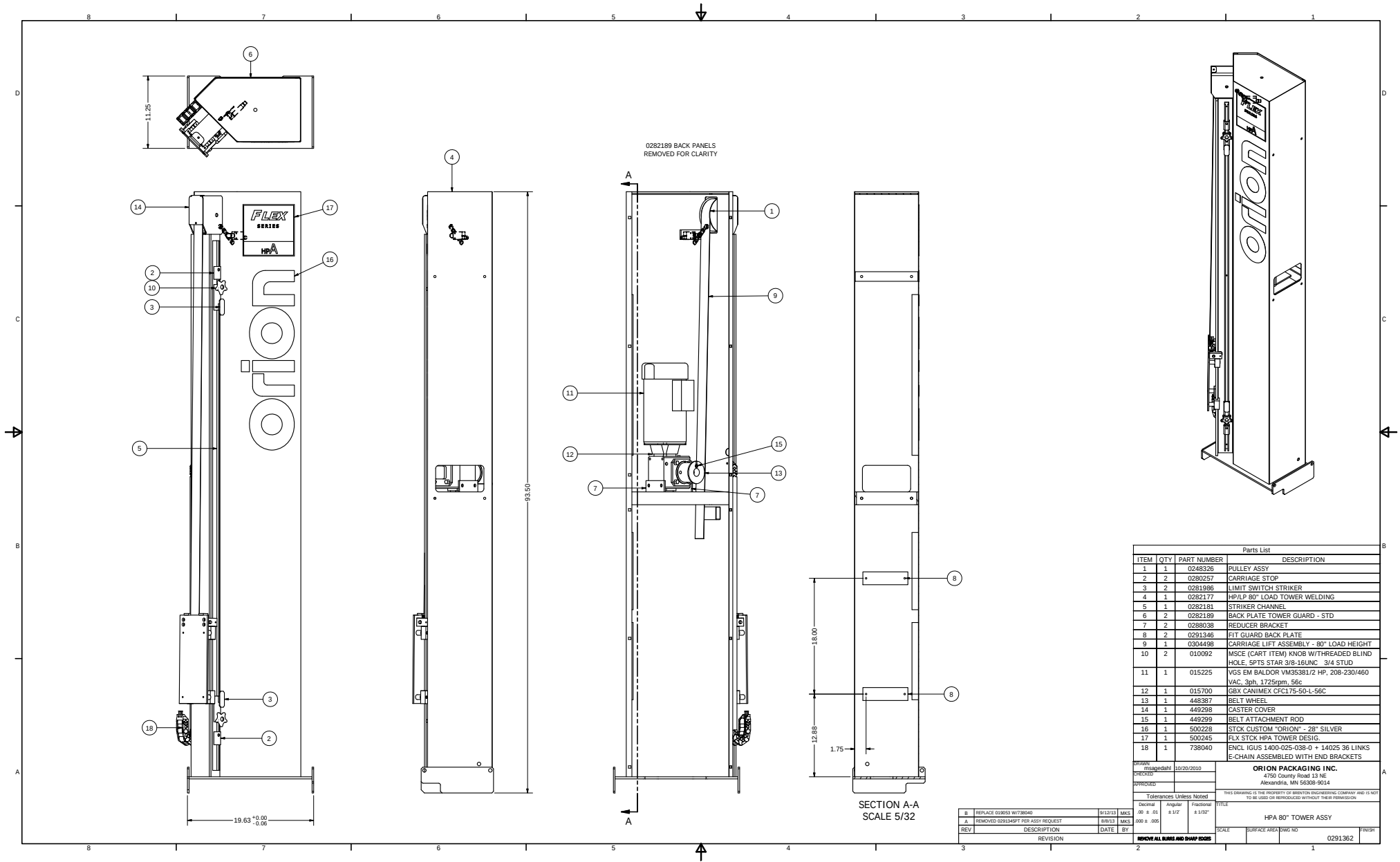


Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	0248326	PULLEY ASSY	
2	2	0280257	CARRIAGE STOP	
3	2	0281986	LIMIT SWITCH STRIKER	
4	1	0282177	HPILP 80" LOAD TOWER WELDING	
5	1	0282181	STRIKER CHANNEL	
6	2	0282189	BACK PLATE TOWER GUARD - STD	
7	2	0288038	REDUCER BRACKET	
8	2	0291346	FIT GUARD BACK PLATE	
9	1	0304498	CARRIAGE LIFT ASSEMBLY - 80" LOAD HEIGHT	
10	1	1013441	DUAL PROX MOUNT (30mm)	
11	1	1013442	CTS OFFSET PLATE	
12	2	010092	W/SC (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC 3/4 STUD	
13	1	015225	VGS EM BALDOR VM35381/2 HP, 208-230/460 VAC, 3ph, 1725rpm, 56c	
14	1	015700	GBX CANIMEX CFC175-50-L-56C	
15	1	448387	BELT WHEEL	
16	1	449288	CASTER COVER	
17	1	449299	BELT ATTACHMENT ROD	
18	1	500228	STCK CUSTOM "ORION" - 28" SILVER	
19	1	738040	ENCL IGUS 1400-025-038-0 + 14025 36 LINKS E-CHAIN ASSEMBLED WITH END BRACKETS	
20	1	744804	FLX STCK CTS TOWER DESIG.	
PROCESSED			ORION PACKAGING INC.	
APPROVED			4750 County Road 13 NE	
Tolerances Unless Noted			Alexandria, MN 56308-9014	
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 80" TOWER ASSY	
.000 ± .005				
SCALE			SURFACE AREA (SQ IN)	
REV			DATE	
REVISION			BY	
REMOVAL BURS AND SHARP EDGES			1010191	

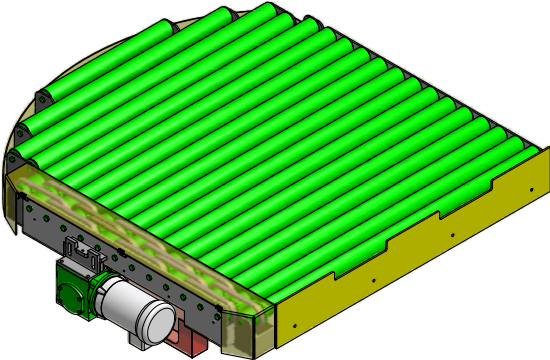
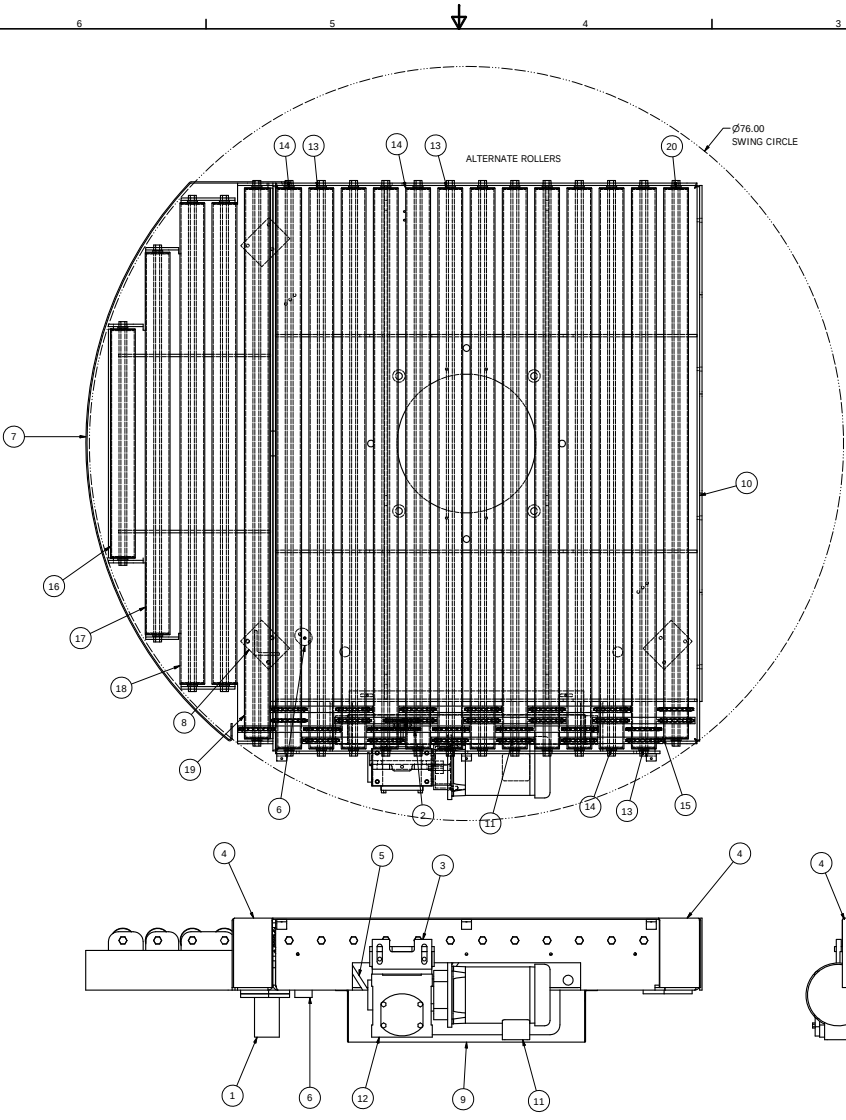




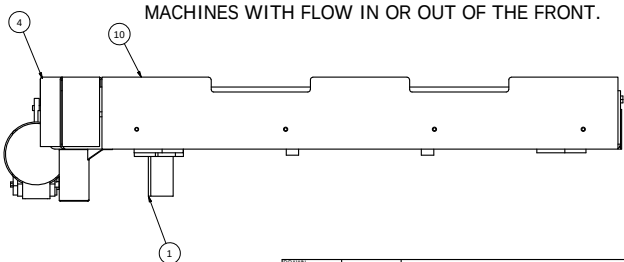
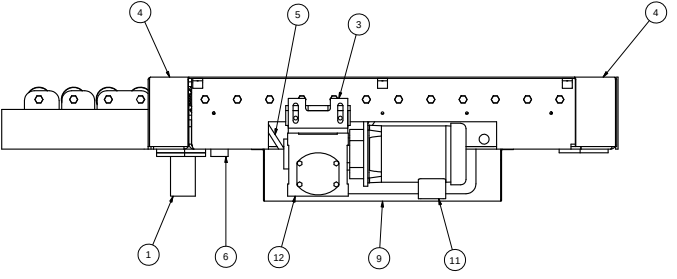




Parts List			
ITEM	PART NUMBER	FINISH	QTY DESCRIPTION
1	D0247285	PT	1 TURNTABLE LOCK CATCH
2	0247204	NO	1 MOD SPROCKET 40B22
3	0293606	PT	1 GBX MNT
4	0303720	PT	1 UPPER GUARD
5	0322445	NO	2 CHAIN BREAK #40 (67 P + 1 CONN)
6	0323154	NO	1 PROXIMITY SWITCH TARGET
7	0353905	PT	1 GUARD
8	0355499	PT	1 FA TURNTABLE FRAME WELDMENT
9	1007300	PT/PMY	1 LOWER CHAIN GUARD
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 8TF
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)



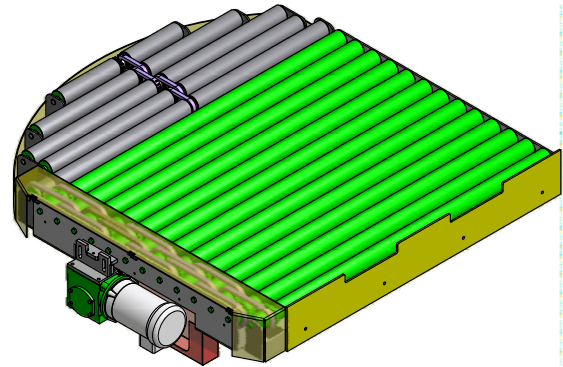
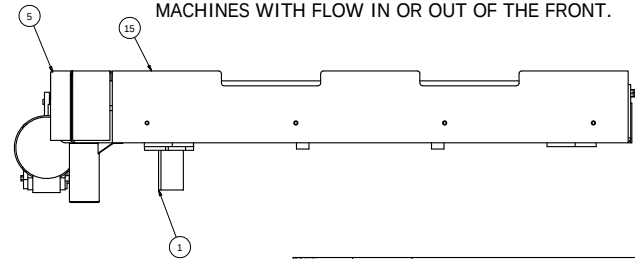
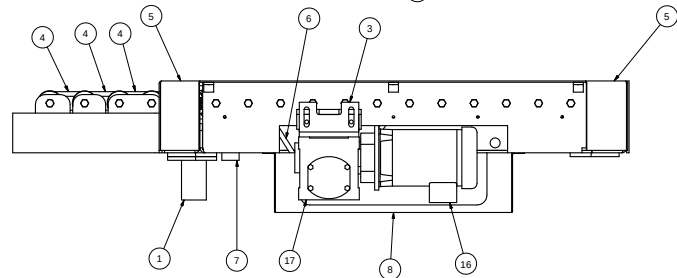
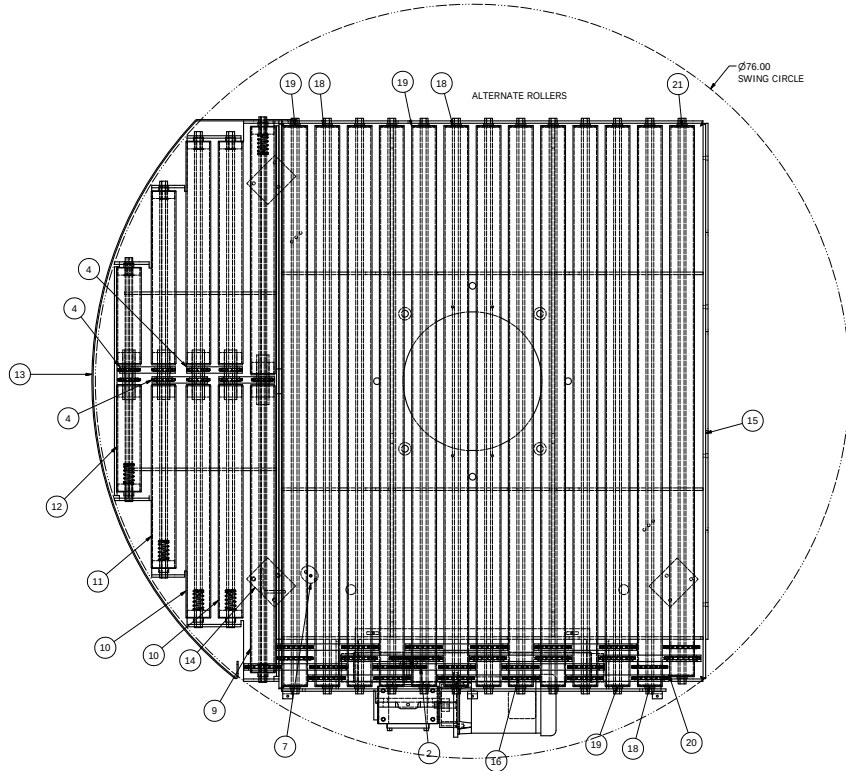
- NOTES:**
- 1. CONVEYOR SET-UP FOR:
60 fpm @ 60 HZ
50 fpm @ 50 HZ
40 fpm @ 40 HZ
30 fpm @ 30 HZ
 - 2. LOWER CHAIN GUARD SHOULD ALWAYS BE USED
 - 3. SHOWN WITH LOCK PIN CATCH IN THE STD L-R OR R-L POSITION, USE ALTERNATE MOUNT PLATES ON MACHINES WITH FLOW IN OR OUT OF THE FRONT.



DESIGN		DATE		BY			
AMM		01/14/2014					
CHECKED							
APPROVED				THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION.			
Tolerances Unless Noted							
Decimal	Angular	Fractional					
.00 ± .01	± 1/2°	± 1/32"					
.000 ± .005							
REV	DESCRIPTION	DATE	BY				
1	REPLACED 0324216 W/1007800	8/22/15	MMK	CTS TURNABLE 76" DIA X 3.25 RS			
2	ADDED 1007970 END STOP	7/18/15	MMK				
REVISION							
REMOVAL BURS AND SHARP EDGES							
PROVISION		SURFACE AREA		DWG NO			
B				0356507			
FINISH							

BRENTON ENGINEERING	
4750 County Road 13 NE	
Alexandria, MN 56308-9014	
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TITLE	
CTS TURNABLE 76" DIA X 3.25 RS	
PROVISION	FINISH
B	

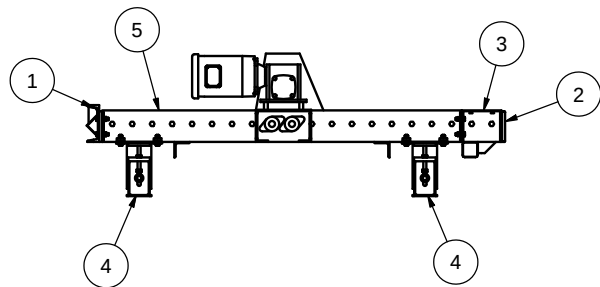
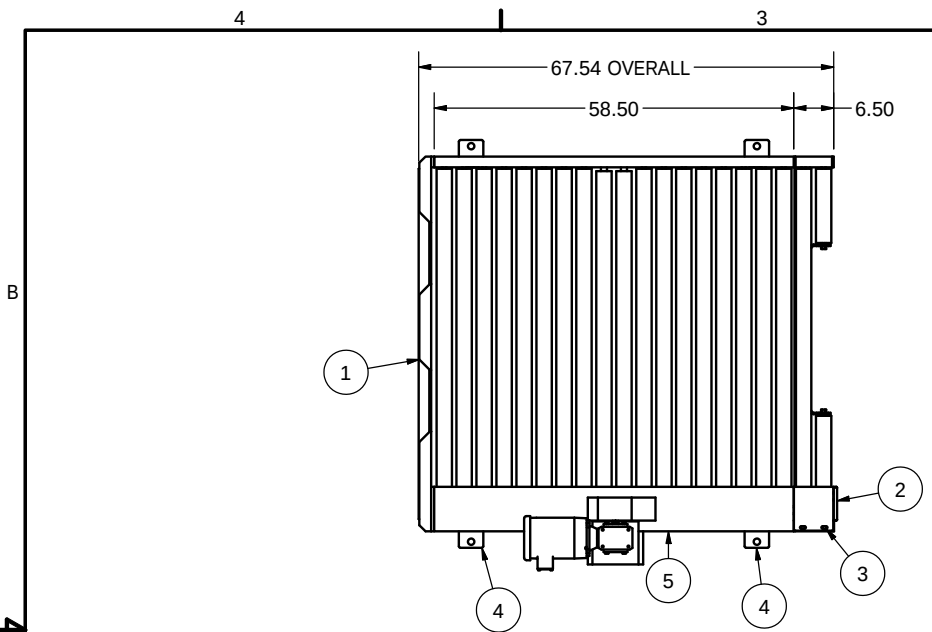
Parts List			
ITEM	PART NUMBER	FINISH	QTY
1	02047285	PT	1
2	0247204	NO	1
3	0293606	PT	1
4	0296230		4
5	0303720	PT	1
6	0322445	NO	2
7	0323154	NO	1
8	0324216	PT/PMV	1
9	0328903	NO	1
10	0328910	NO	2
11	0328913	NO	1
12	0329168	NO	1
13	0353865	PT	1
14	0355499	PT	1
15	1007970	PT	1
16	094554		1
17	718950		1
18	724488		6
19	724489		6
20	727936		10
21	734180		1



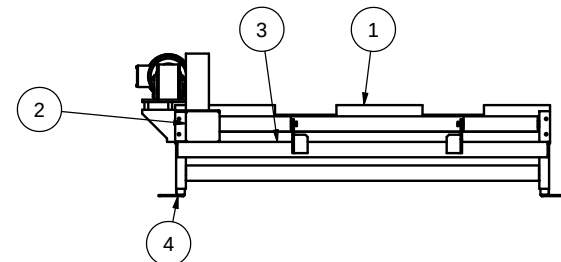
NOTES:

- 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: [blank] APPROVED: [blank]			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: [blank] SURFACE AREA: [blank] DWG NO: 1007985		
REVISION			DATE: 7/21/2016		

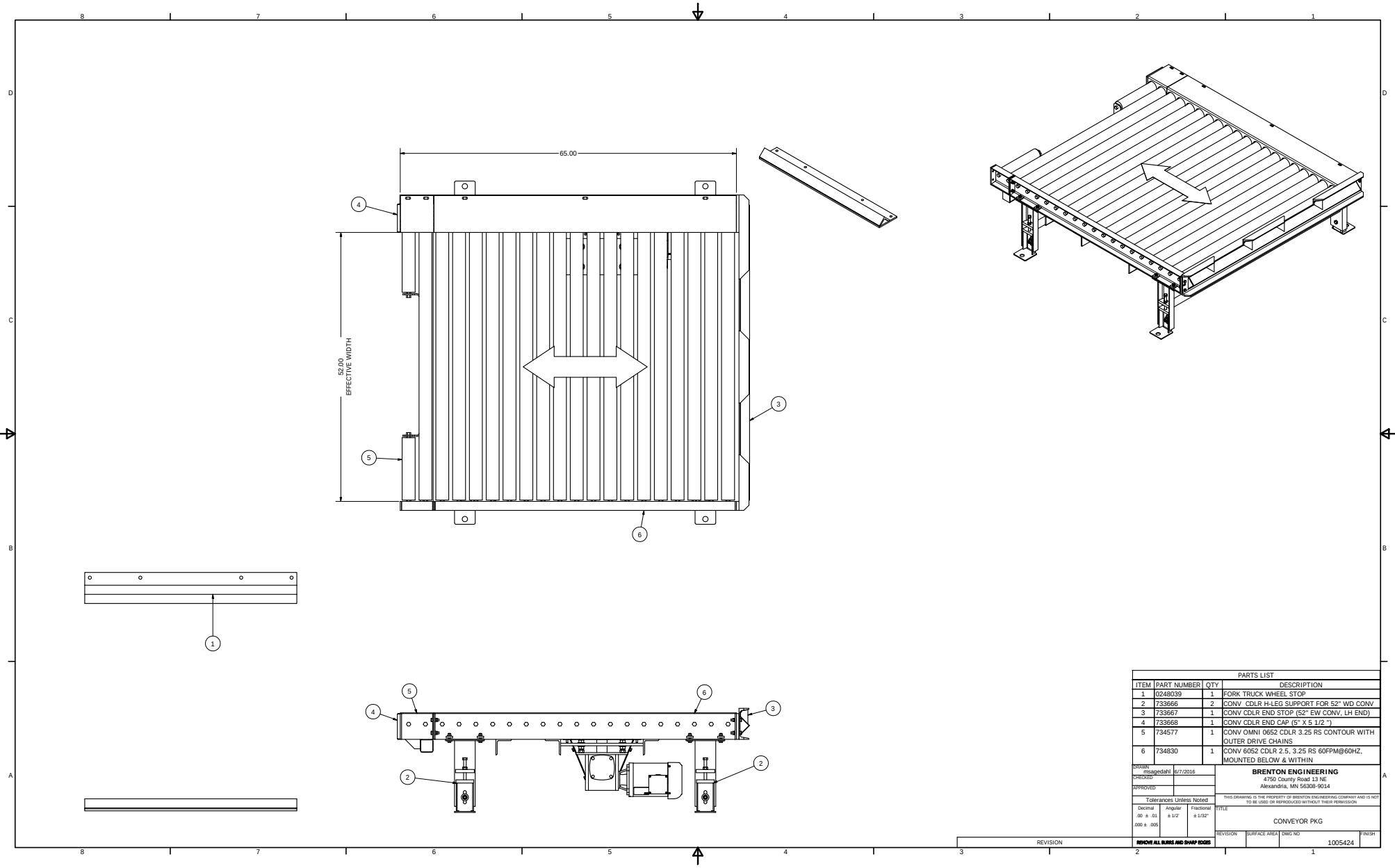


		PARTS LIST	
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	733667	CONV CDLR END STOP (52" EW CONV, LH END)
2	1	733668	CONV CDLR END CAP (5" X 5 1/2 ")
3	1	734577	CONV OMNI 0652 CDLR 3.25 RS CONTOUR WITH OUTER DRIVE CHAINS
4	2	738139	CONV H-STYLE LEGS 52" WIDE CONVEYOR 13" PH
5	1	739196	CONV OMNI 6052 CDLR 2.53.25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



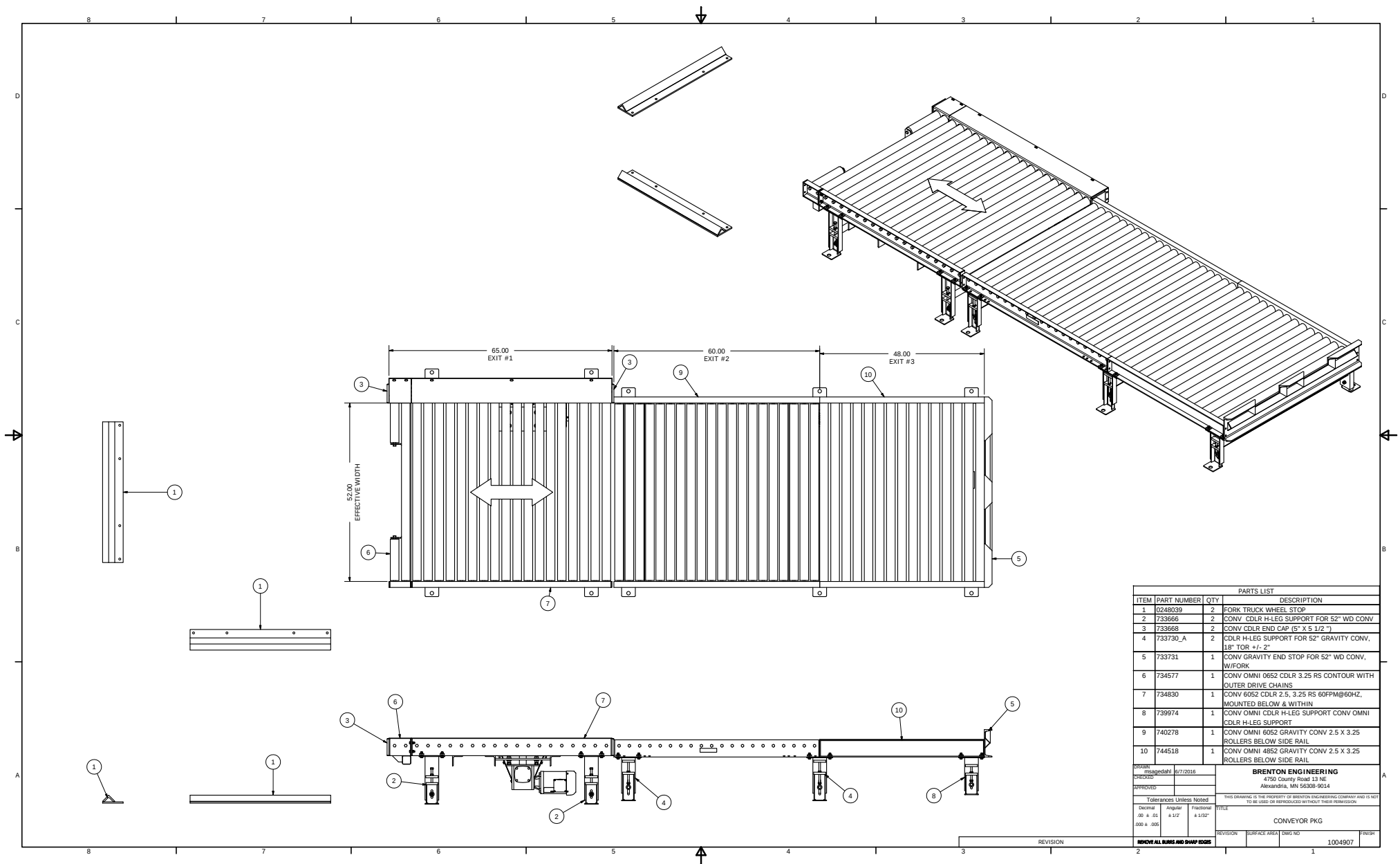
DRAWN TKN	1/16/2017	BRENTON ENGINEERING 4750 County Road 13 NE Alexandria, MN 56308-9014 THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION		
CHECKED				
APPROVED				
Tolerances Unless Noted			TITLE	
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	CONVEYOR PKG	
REVISION			SURFACE AREA	DWG NO
REMOVE ALL BURRS AND SHARP EDGES				1018836

4 3 2 1



PARTS LIST			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	0248039	1	FORK TRUCK WHEEL STOP
2	733666	2	CONV CDLR H-LEG SUPPORT FOR 52" WD CONV
3	733667	1	CONV CDLR END STOP (52" EW CONV, LH 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 60PPM@60HZ, MOUNTED BELOW & WITHIN

DESIGN mtsgedahl	DATE 6/7/2016	BRENTON ENGINEERING 4750 County Road 13 NE Alexandria, MN 56308-9014	
CHECKED		THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE LOANED OR REPRODUCED WITHOUT THEIR PERMISSION.	
APPROVED		Tolerances Unless Noted	TITLE CONVEYOR PKG
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	REVISION
PROVISION	SURFACE AREA	DWG NO 1005424	FINISH

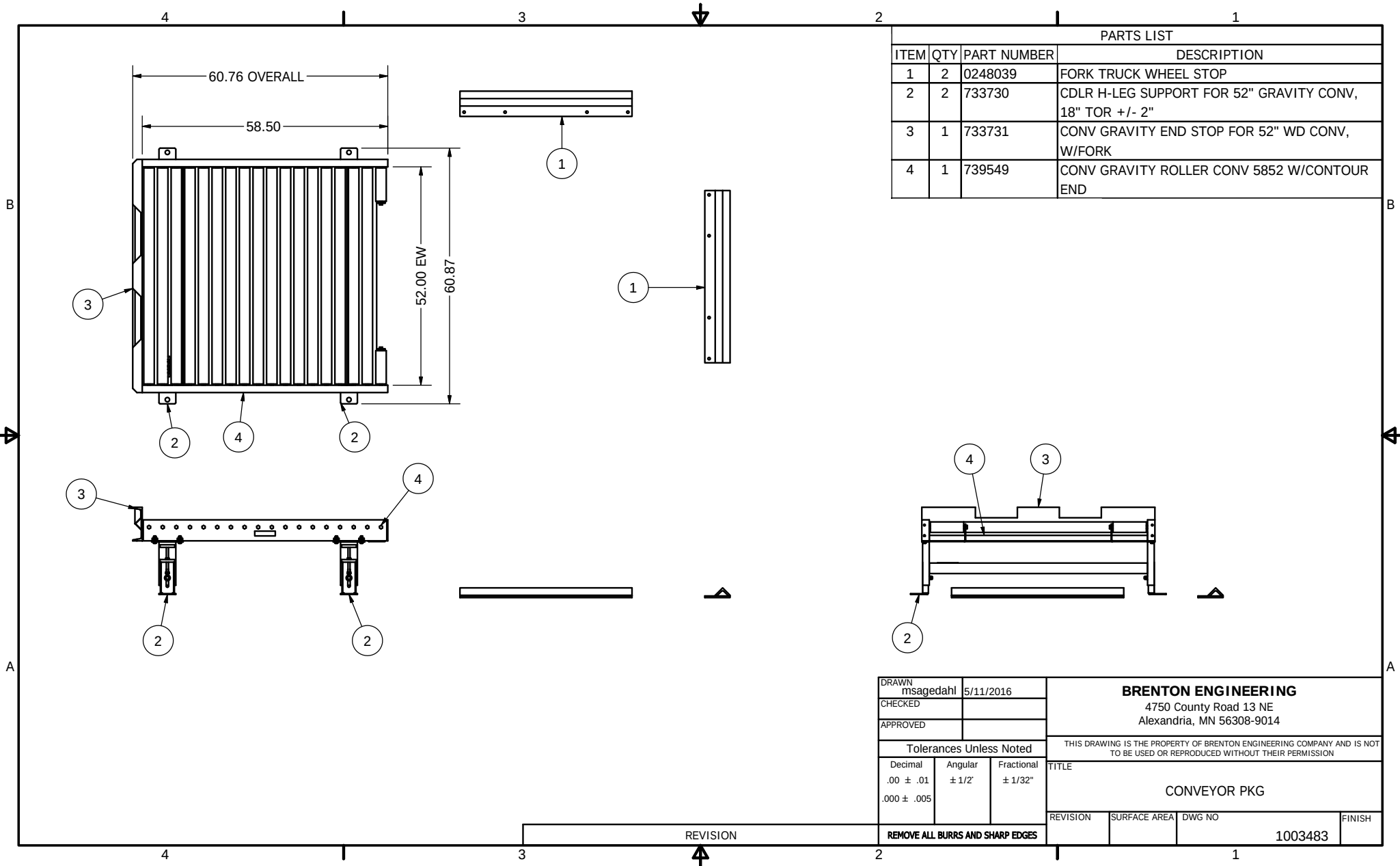


PARTS LIST			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	0248039	2	FORK TRUCK WHEEL STOP
2	733666	2	CONV CDLR H-LEG SUPPORT FOR 52" WD CONV
3	733668	2	CONV CDLR END CAP (5" X 5 1/2")
4	733730_A	2	CDLR H-LEG SUPPORT FOR 52" GRAVITY CONV, 1/8" TOR +/- .2"
5	733731	1	CONV GRAVITY END STOP FOR 52" WD CONV, W/FORK
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
DESIGN: mtagedahl 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			
PROVISION	SURFACE AREA	DWG NO	FINISH
		1004907	

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

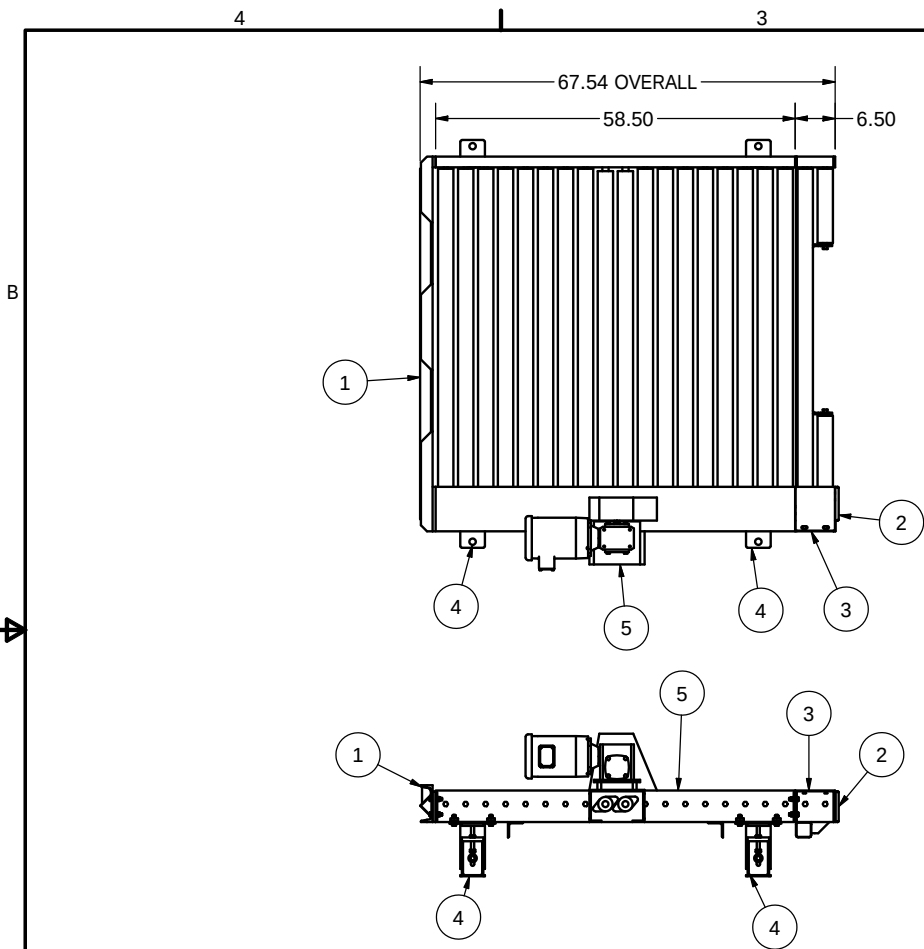
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REVISION

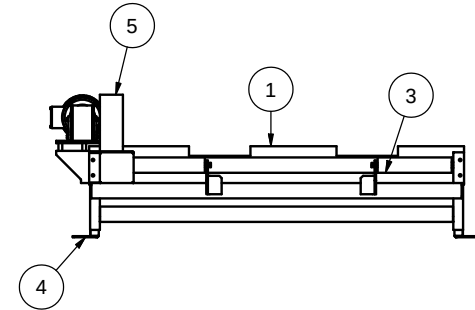


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	0248039	FORK TRUCK WHEEL STOP
2	2	733730	CDLR H-LEG SUPPORT FOR 52" GRAVITY CONV, 18" TOR +/- 2"
3	1	733731	CONV GRAVITY END STOP FOR 52" WD CONV, W/FORK
4	1	739549	CONV GRAVITY ROLLER CONV 5852 W/CONTOUR END

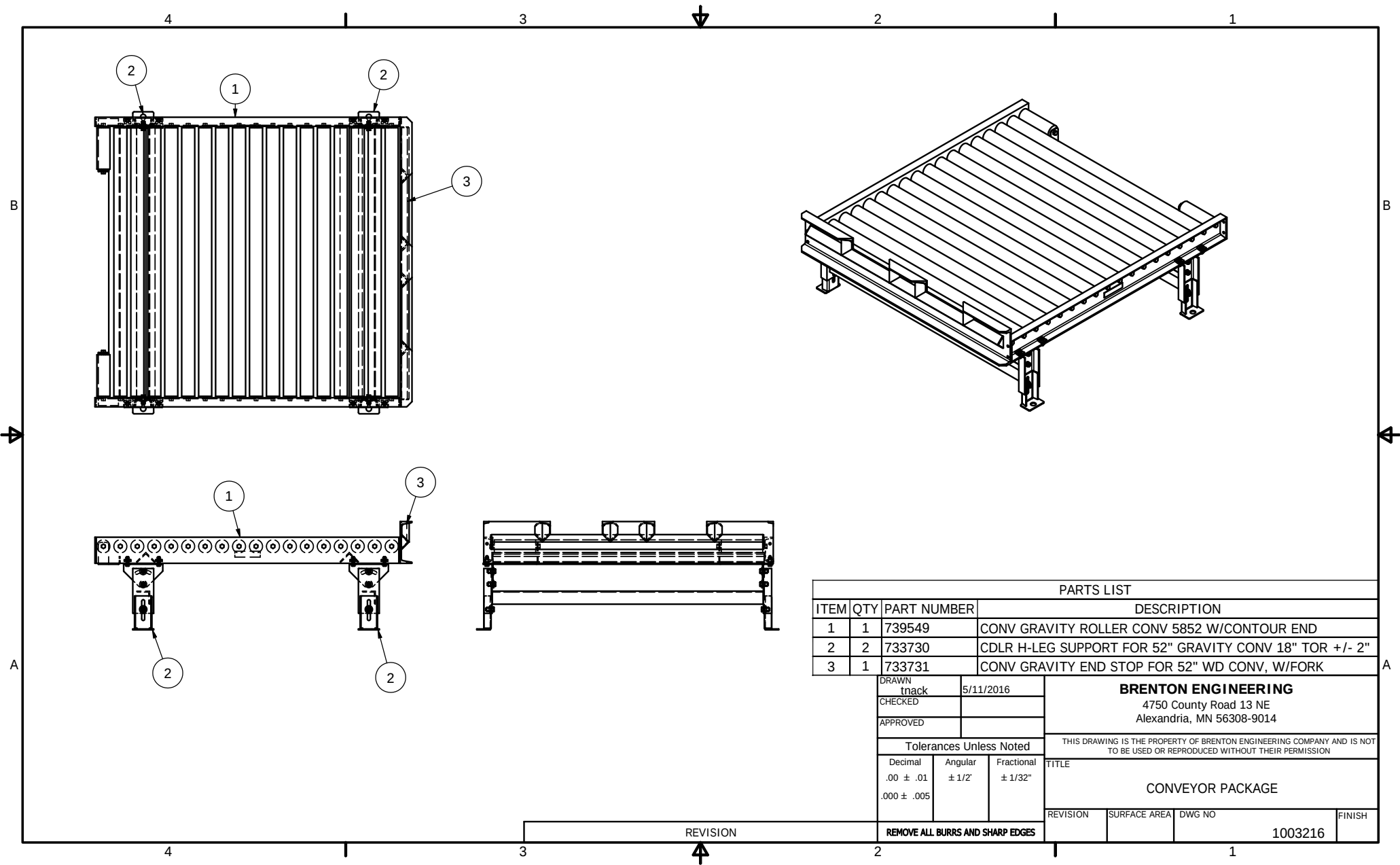
DRAWN msagedahl	5/11/2016	BRENTON ENGINEERING 4750 County Road 13 NE Alexandria, MN 56308-9014		
CHECKED				
APPROVED				
Tolerances Unless Noted			THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION	
Decimal .00 ± .01 .000 ± .005	Angular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



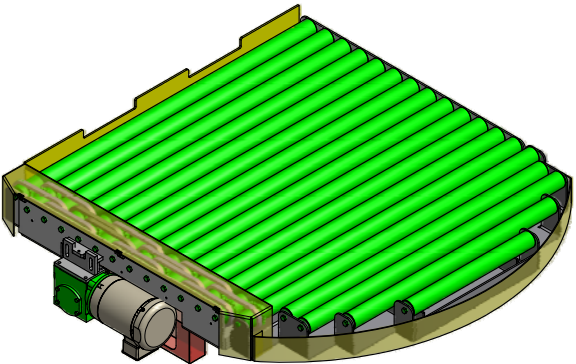
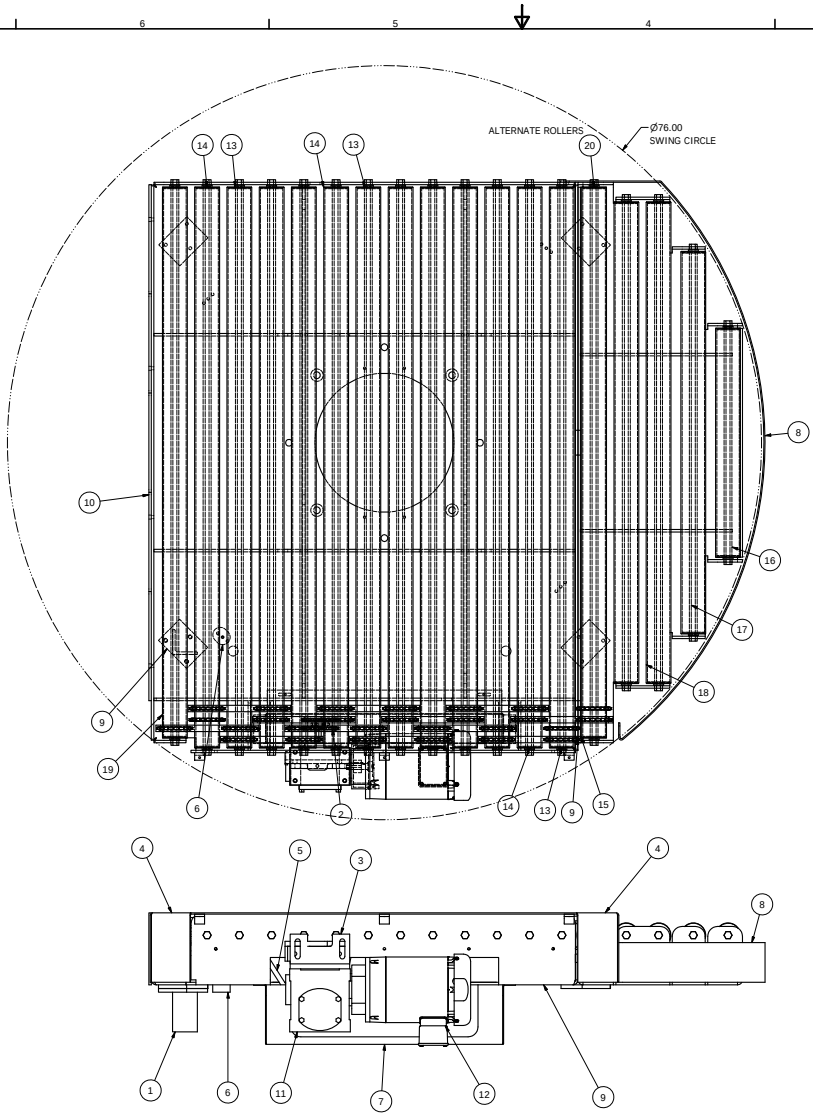
PARTS LIST				
ITEM	QTY	PART NUMBER	FINISH	DESCRIPTION
1	1	733667		CONV CDLR END STOP (52" EW CONV, LH END)
2	1	733668		CONV CDLR END CAP (5" X 5 1/2 ")
3	1	734577		CONV OMNI 0652 CDLR 3.25 RS CONTOUR WITH OUTER DRIVE CHAINS
4	2	738139		CONV H-STYLE LEGS 52" WIDE CONVEYOR 13" PH
5	1	739196		CONV OMNI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



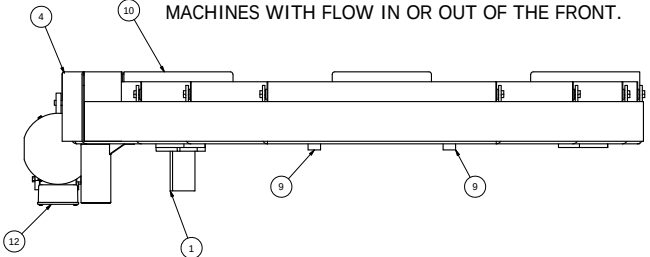
DRAWN msagedahl	1/26/2017	BRENTON ENGINEERING 4750 County Road 13 NE Alexandria, MN 56308-9014 THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION		
CHECKED				
APPROVED				
Tolerances Unless Noted			TITLE	
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	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)			

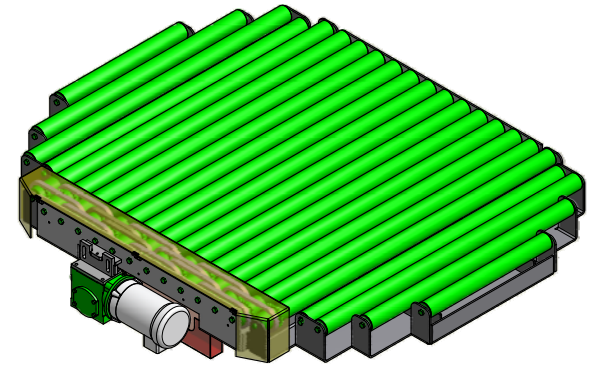
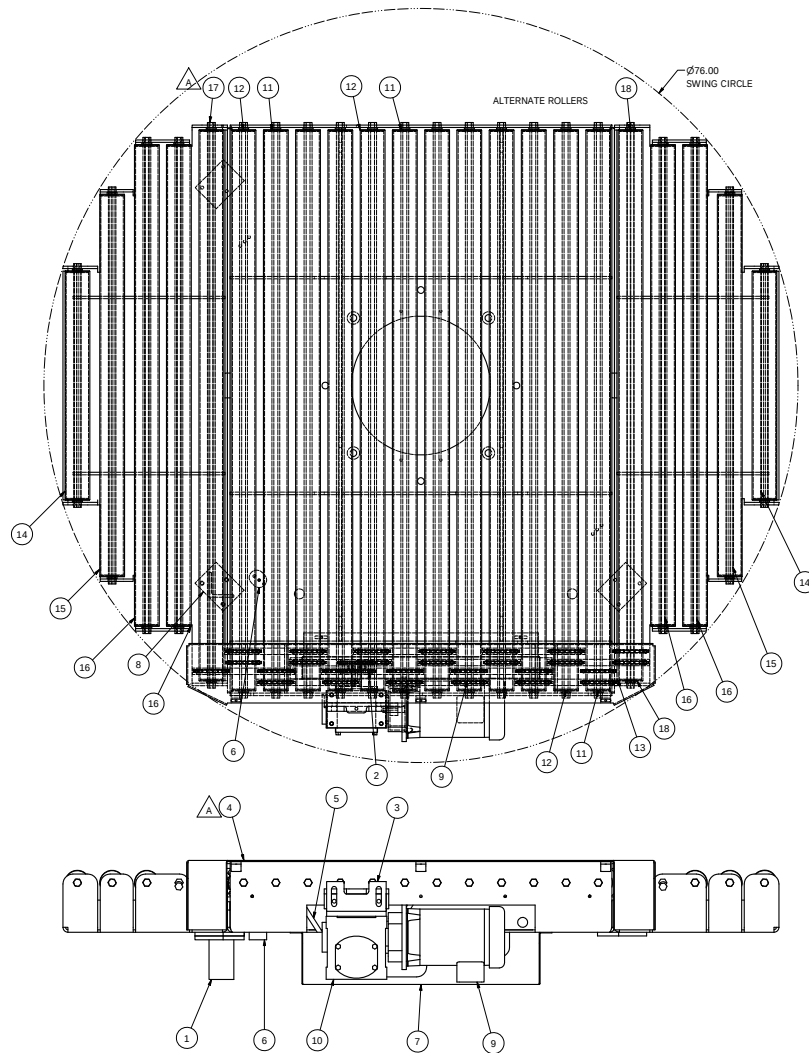


- NOTES:**
- 1. CONVEYOR SET-UP FOR:
60 fpm @ 60 HZ
50 fpm @ 50 HZ
40 fpm @ 40 HZ
30 fpm @ 30 HZ
 - 2. LOWER CHAIN GUARD SHOULD ALWAYS BE USED
 - 3. SHOWN WITH LOCK PIN CATCH IN THE STD L-R OR R-L POSITION, USE ALTERNATE MOUNT PLATES ON MACHINES WITH FLOW IN OR OUT OF THE FRONT.



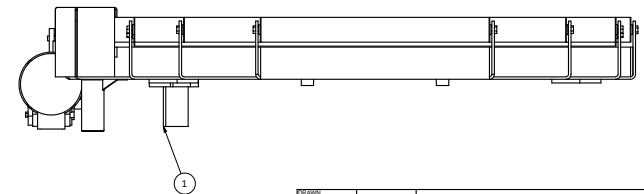
DATE: 01/11/2016		BRENTON ENGINEERING	
DRAWN: TKN		4750 County Road 13 NE	
CHECKED: [Signature]		Alexandria, MN 56308-9014	
APPROVED: [Signature]		THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE LOANED OR REPRODUCED WITHOUT THEIR PERMISSION.	
Tolerances Unless Noted		TITLE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

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)			



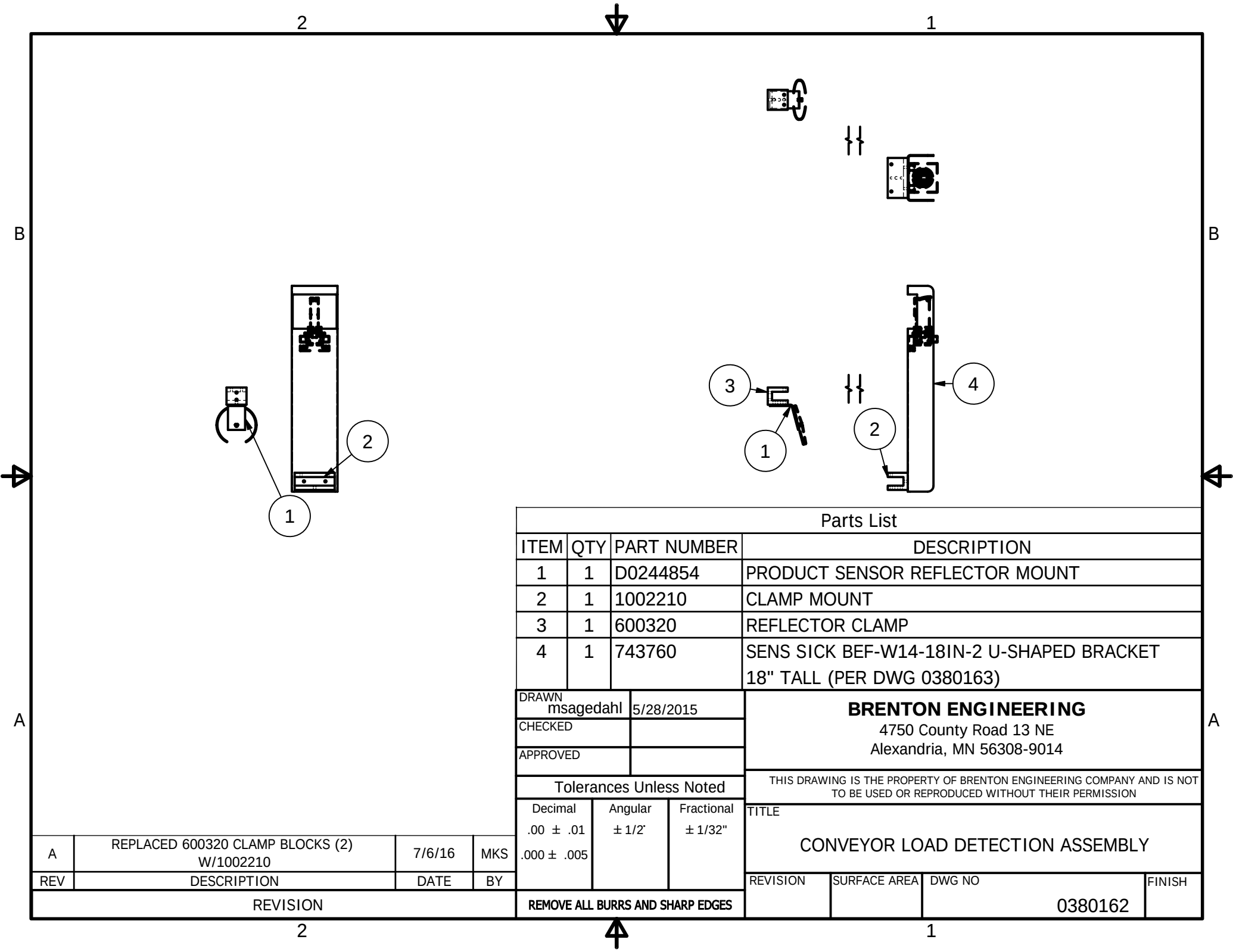
NOTES:

- 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.



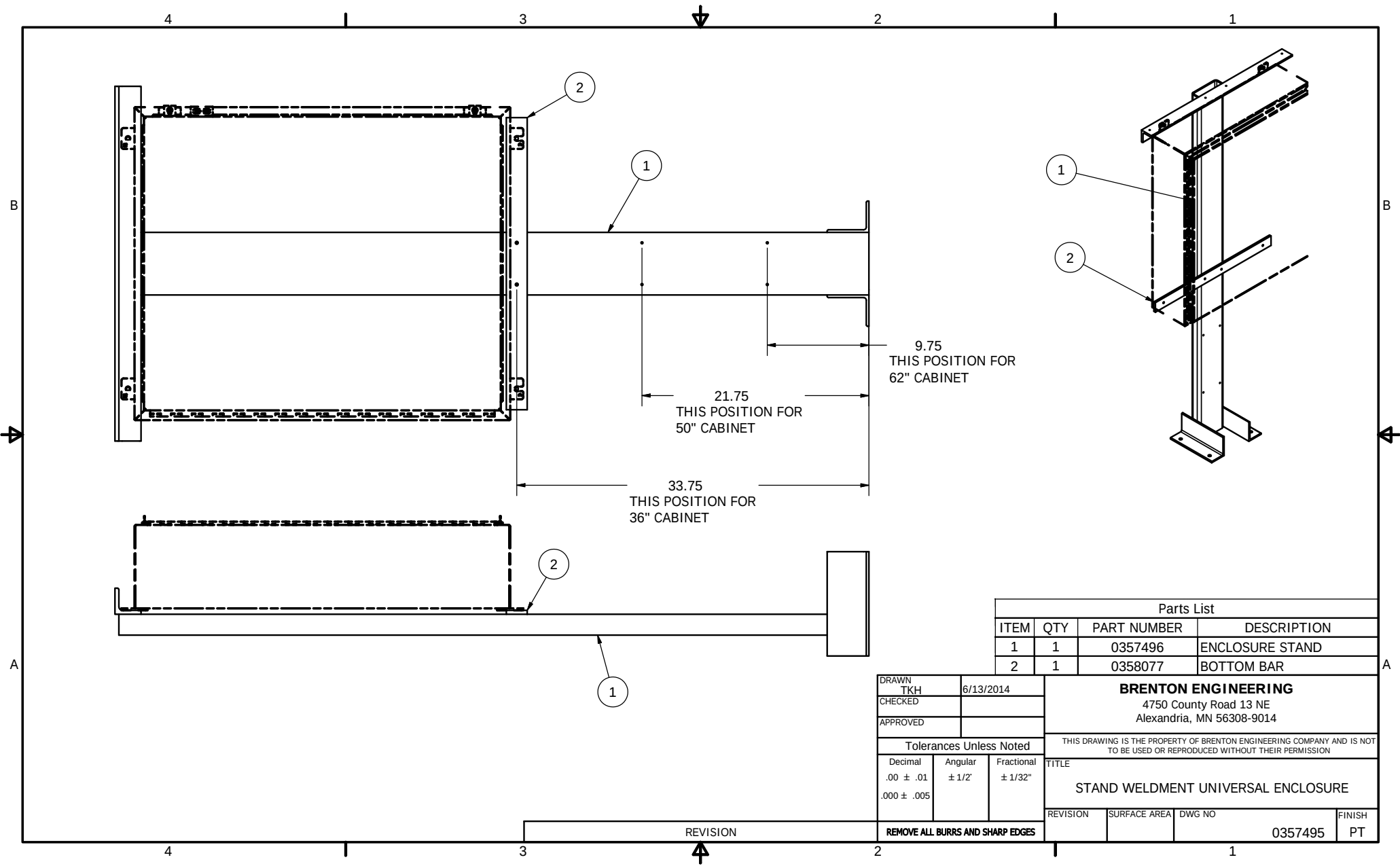
REVISION		DATE		BY	
1	ADDED BUILDING FOR ITEMS 4 & 17	04/01/2016	04/01/2016	04/01/2016	04/01/2016
2	DESCRIPTION	REVISION	DATE	BY	DATE

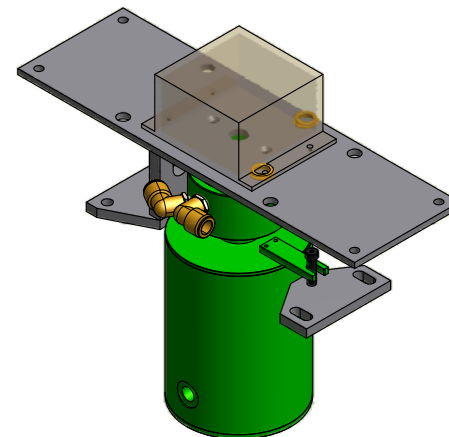
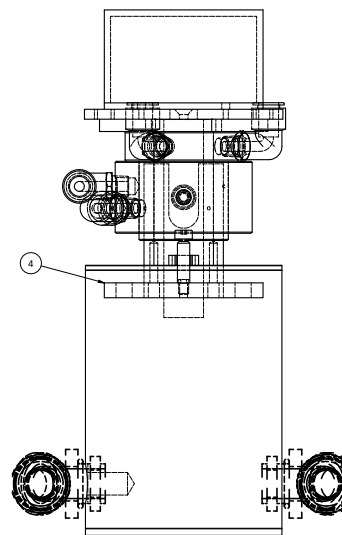
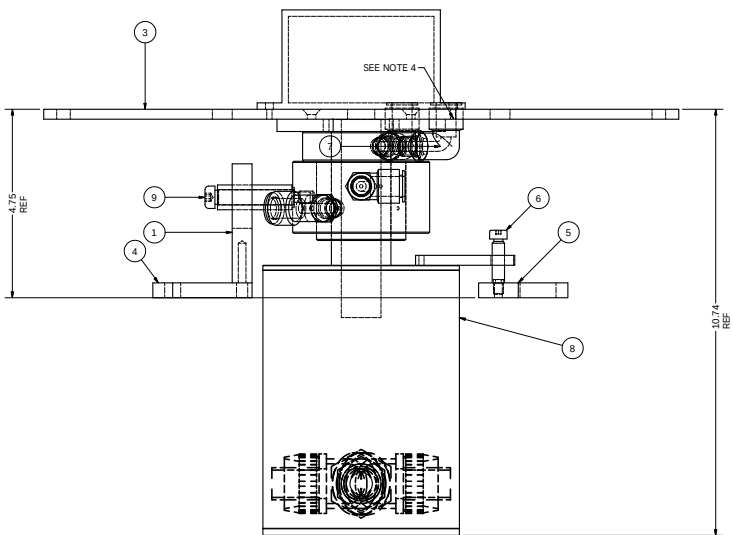
DESIGNED		11/17/2015		BRENTON ENGINEERING		
CHECKED				4750 County Road 13 NE		
APPROVED				Alexandria, MN 56308-9014		
Tolerances Unless Noted				THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION.		
Decimal	Angular	Fractional	TITLE			
.00 ± .01	± 1/2°	± 1/32"	CTS TURNABLE 76" DIA X 3.25 RS			
.000 ± .005						
TOTAL	SURFACE AREA	WELD NO.	FINISH			
1/6			0391736			



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			
REMOVE ALL BURRS AND SHARP EDGES			REVISION	SURFACE AREA	DWG NO 0380162	FINISH

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





- 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	729662	4	CP (CART) 1Q3-35S 1/2T/4T 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 DRIVE 13 NE

ALBUQUERQUE, NM 85006 910-555-5555

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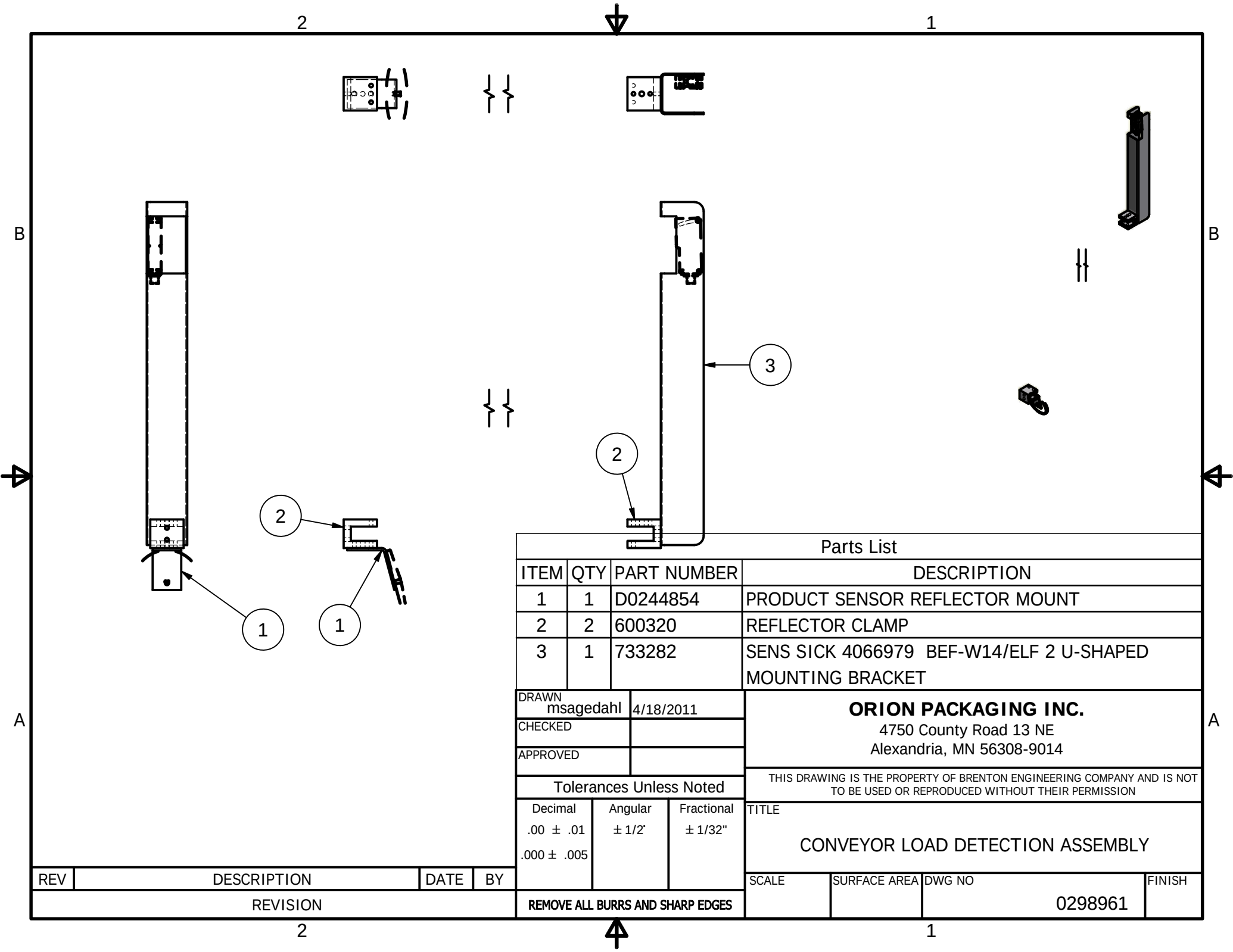
Tolerances Unless Noted			
Decimal	Angular	Radial	Fractional
0.001	0.010	0.001	1/32"
0.005	0.050	0.005	0.03125"

BY: DATE: 02/27/2014

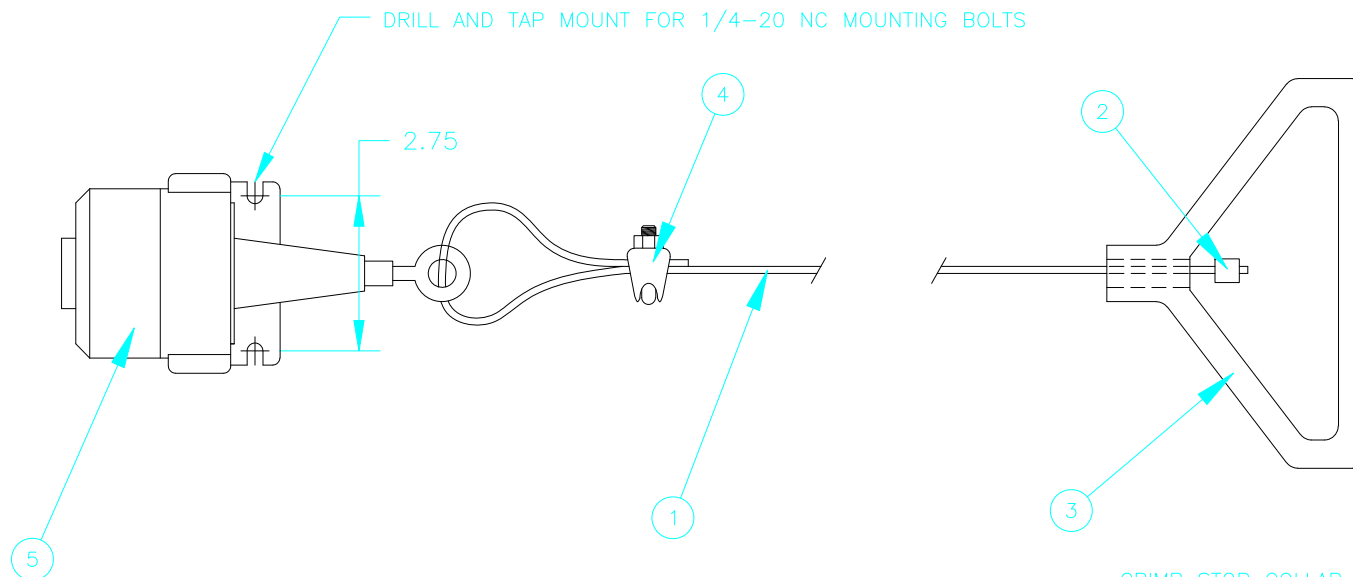
SCALE: 1"=16" (SEE AREA) TONG NO: _____

FIGURE: 0355505

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			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: