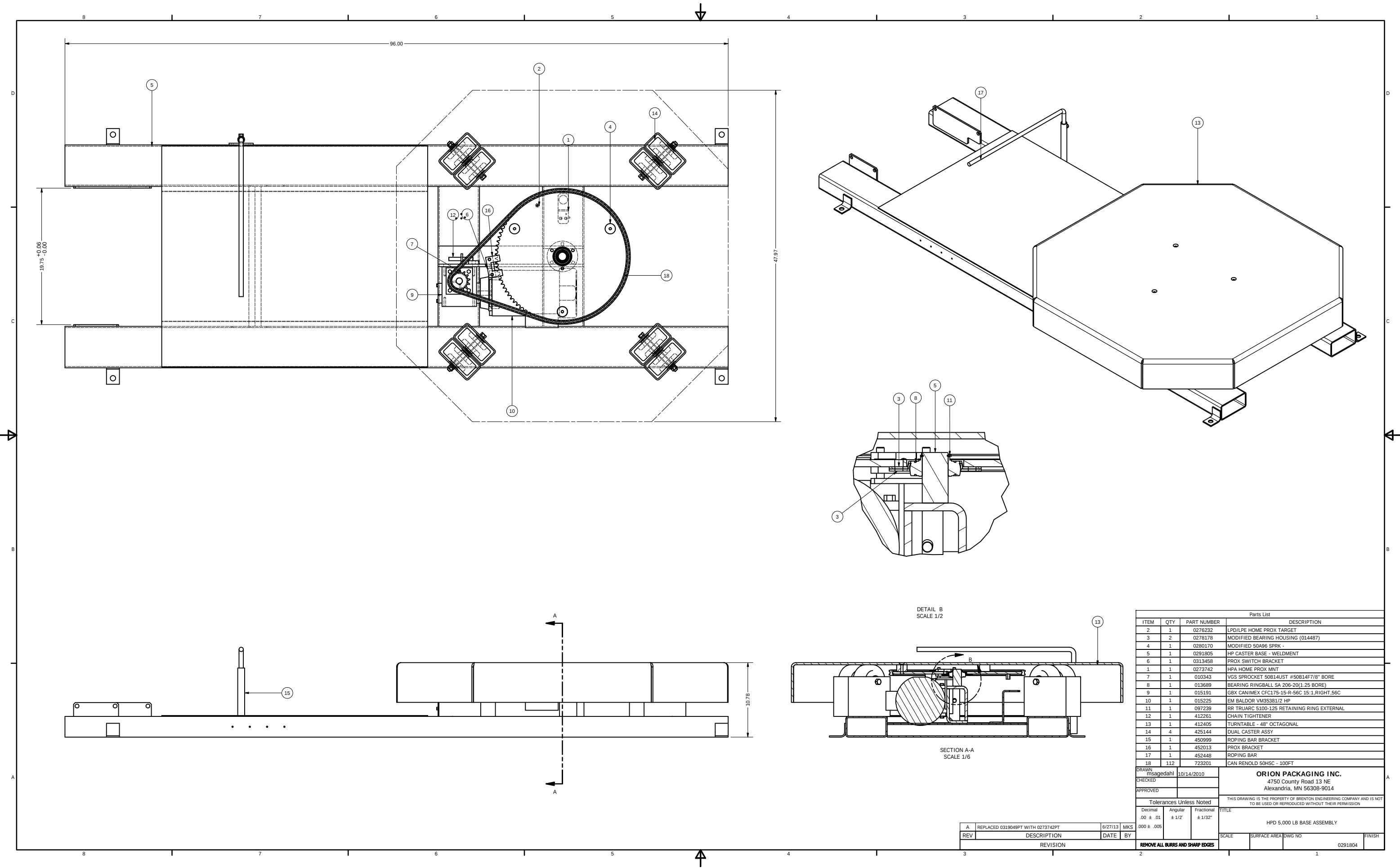
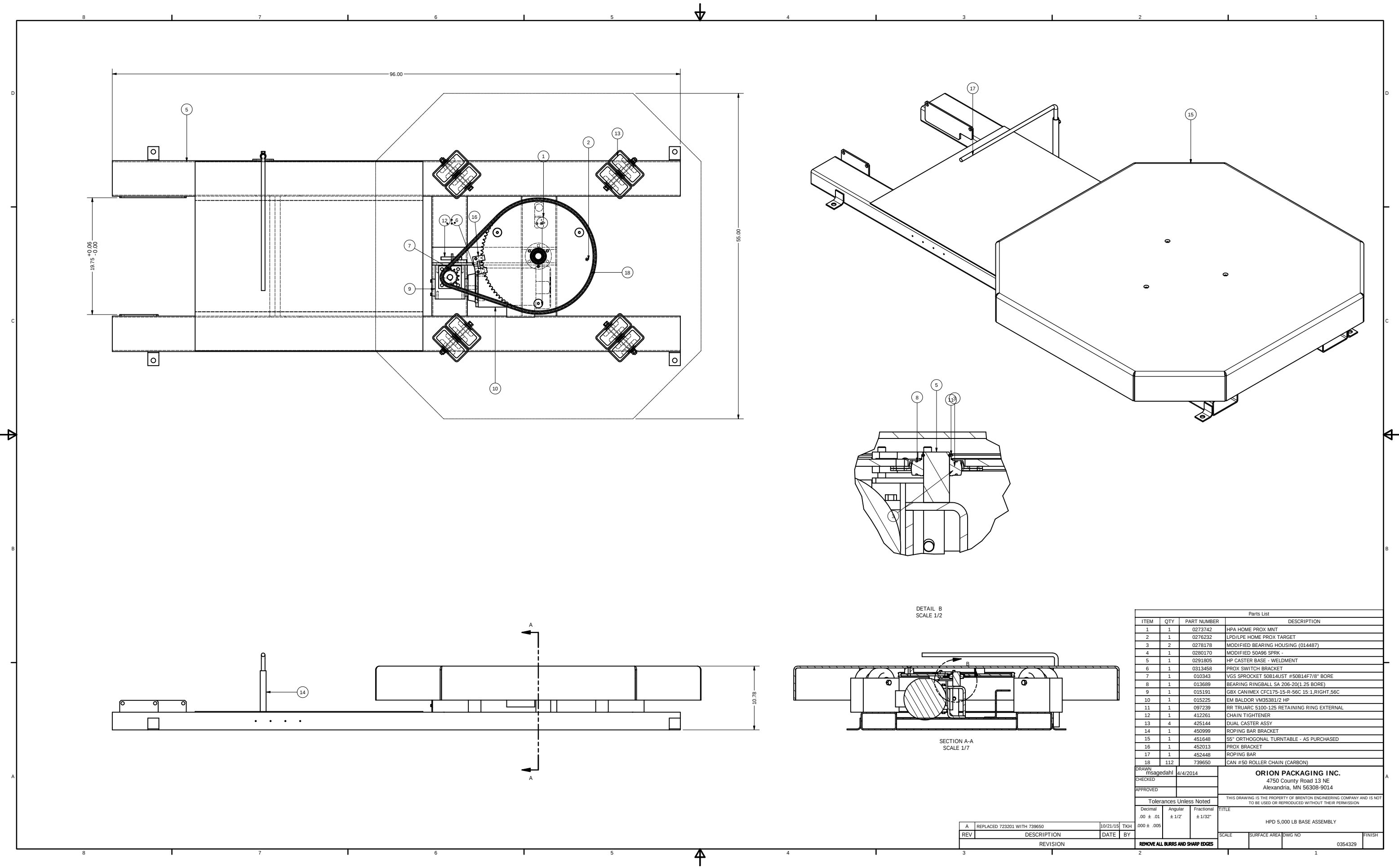


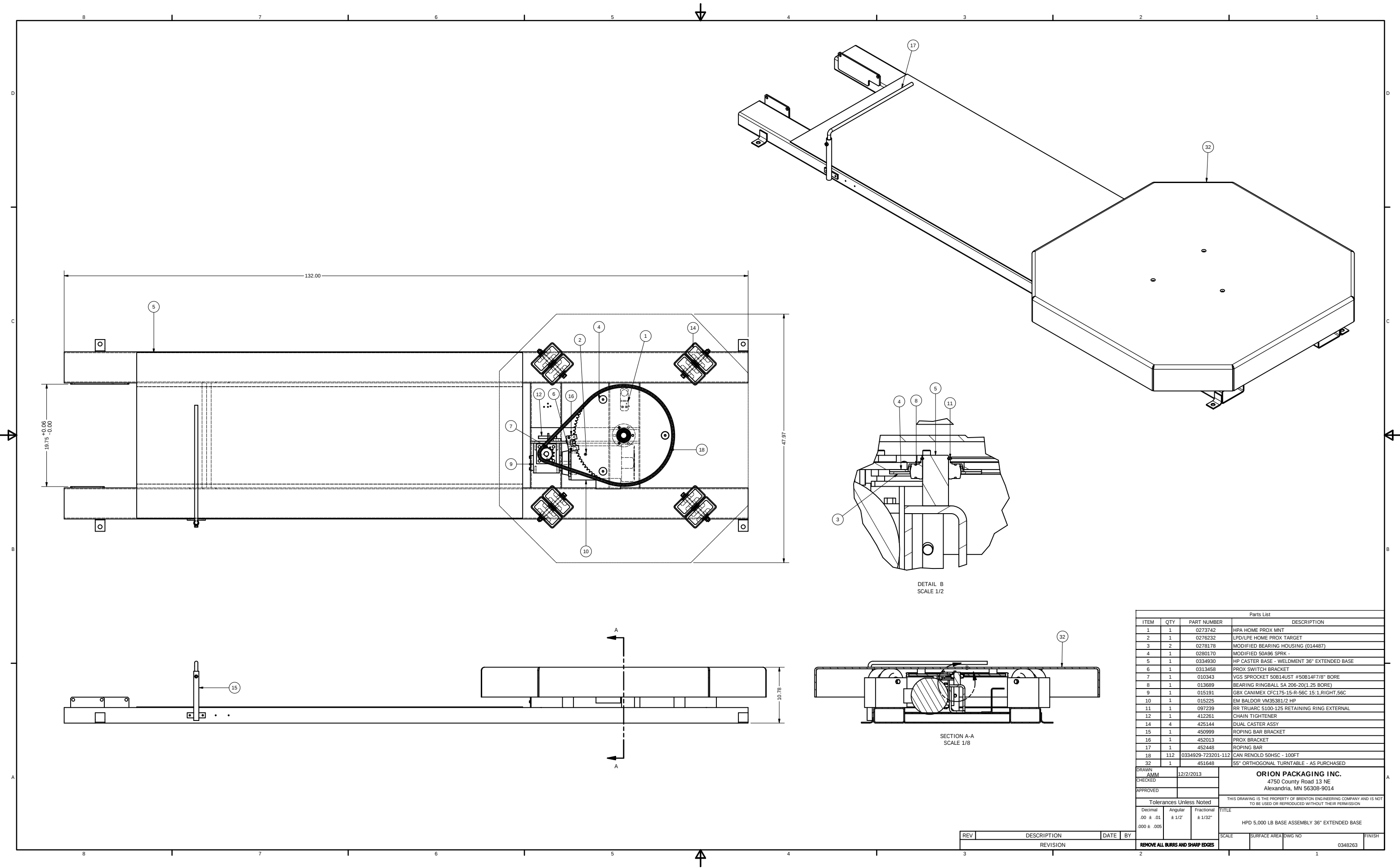


Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
2	1	0276232	LPD/LPE HOME PROX TARGET
3	2	0278178	MODIFIED BEARING HOUSING (014487)
4	1	0280170	MODIFIED 50A96 SPRK -
5	1	0291805	HP CASTER BASE - WELDMENT
6	1	0313458	PROX SWITCH BRACKET
1	1	0273742	HPA HOME PROX MNT
7	1	010343	VGS SPROCKET 50B14JST #50B14F7/8" BORE
8	1	013689	BEARING RINGBALL SA 206-20(1.25 BORE)
9	1	015191	GBX CANIMEX CFC175-15-R-56C 15-1,RIGHT,56C
10	1	015225	EM BALDOR VM35381/2 HP
11	1	097239	RR TRUARC 5100-125 RETAINING RING EXTERNAL
12	1	412261	CHAIN TIGHTENER
13	1	412405	TURNTABLE - 48" OCTAGONAL
14	4	425144	DUAL CASTER ASSY
15	1	450999	ROPING BAR BRACKET
16	1	452013	PROX BRACKET
17	1	452448	ROPING BAR
18	112	723201	CAN RENOLD 50HSC - 100FT
DRAWN mtsagedahl 10/14/2010			
CHECKED			
APPROVED			
Tolerances Unless Noted			
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	TITLE HPD 5,000 LB BASE ASSEMBLY
THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION			
SCALE			
SURFACE AREA			
DWG NO			
FINISH			
REMOVE ALL BURRS AND SHARP EDGES			0291804

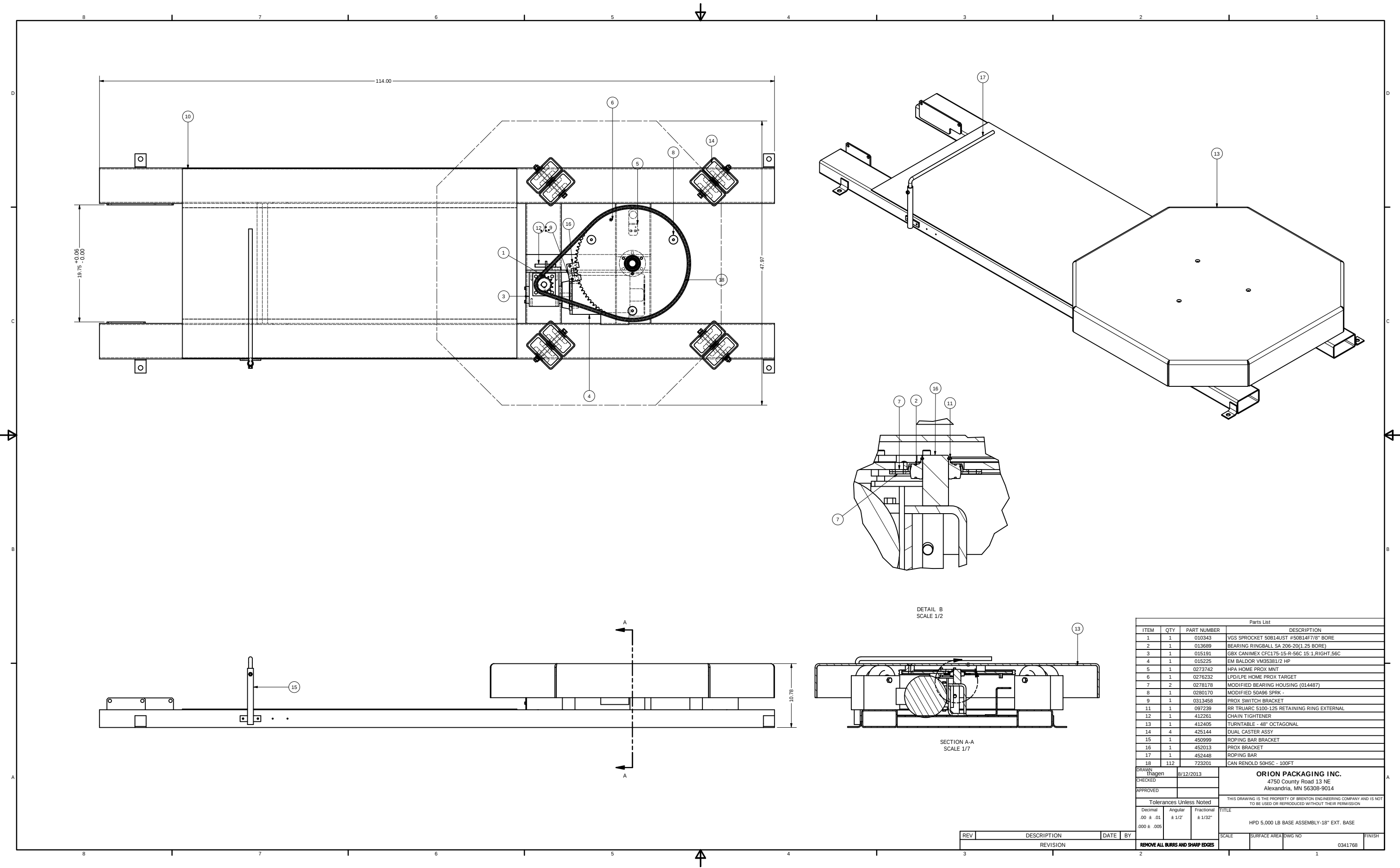


Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	0273742	HPA HOME PROX MNT	
2	1	0276232	LPD/LPE HOME PROX TARGET	
3	2	0278178	MODIFIED BEARING HOUSING (014487)	
4	1	0280170	MODIFIED 50A96 SPRK -	
5	1	0291805	HP CASTER BASE - WELDMENT	
6	1	0313458	PROX SWITCH BRACKET	
7	1	010343	VGS SPROCKET 50B14JUST #50B14F7/8" BORE	
8	1	013689	BEARING RINGBALL SA 206-20(1.25 BORE)	
9	1	015191	GBX CANIMEX CFC175-15-R-56C 15-1.RIGHT,56C	
10	1	015225	EM BALDOR VM35381/2 HP	
11	1	097239	RR TRUARC 5100-125 RETAINING RING EXTERNAL	
12	1	412261	CHAIN TIGHTENER	
13	4	425144	DUAL CASTER ASSY	
14	1	450999	ROPING BAR BRACKET	
15	1	451648	55" ORTHOGONAL TURNTABLE - AS PURCHASED	
16	1	452013	PROX BRACKET	
17	1	452448	ROPING BAR	
18	112	739650	CAN #50 ROLLER CHAIN (CARBON)	
DRAWN msagedahl			4/4/2014	
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	TITLE	
.00 ± .01	± 1/2°	± 1/32"	HPD 5,000 LB BASE ASSEMBLY	
.000 ± .005			SCALE	SURFACE AREA DWG NO FINISH
REMOVE ALL BURRS AND SHARP EDGES				0354329

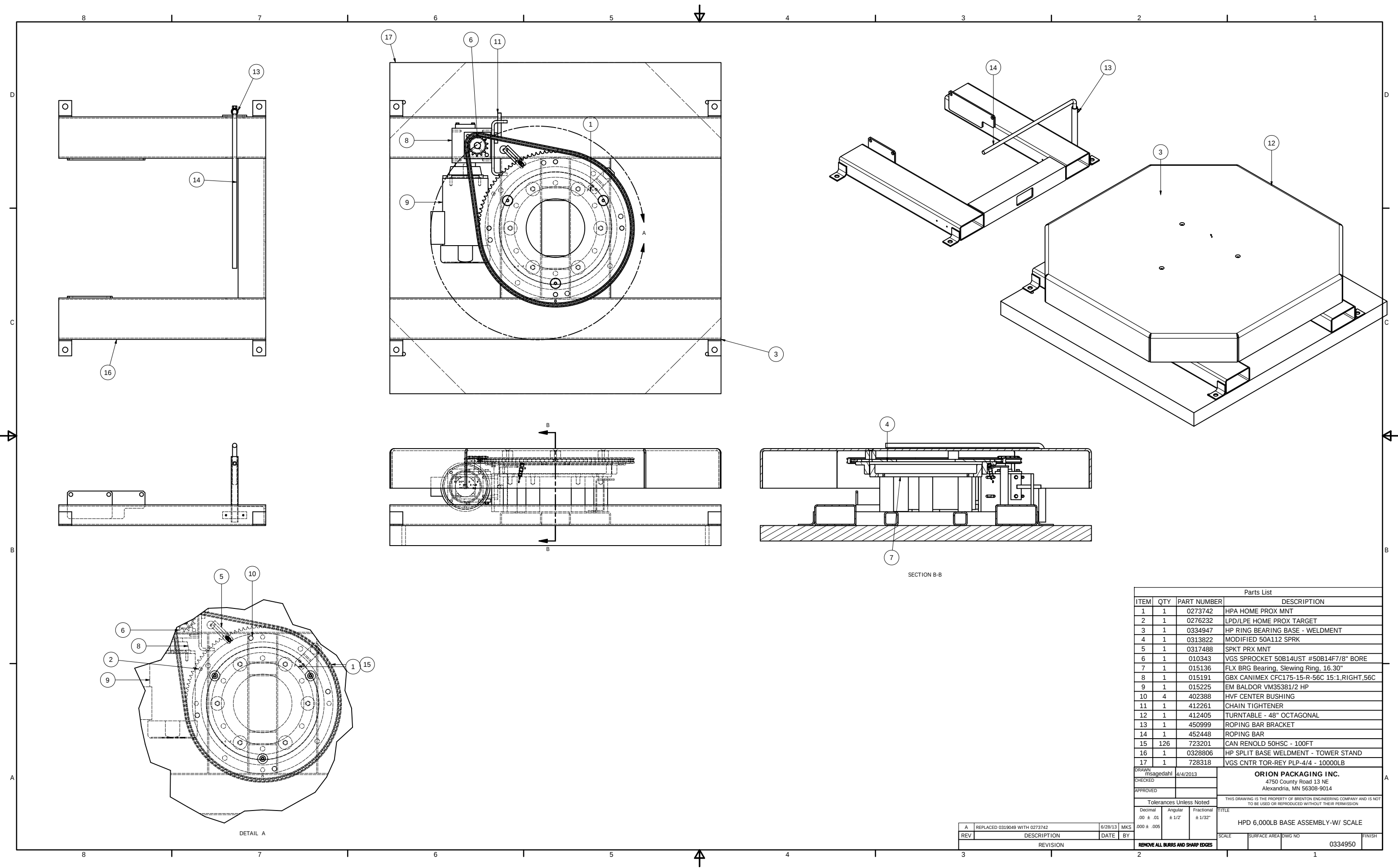
REV	DESCRIPTION	DATE	BY
A	REPLACED 723201 WITH 739650	10/21/15	TKH
REVISION			



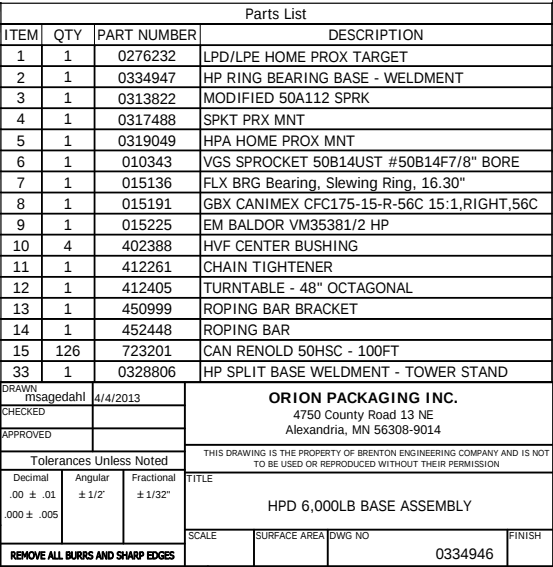
Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	0273742	HPA HOME PROX MNT	
2	1	0276232	LPD/LPE HOME PROX TARGET	
3	2	0278178	MODIFIED BEARING HOUSING (014487)	
4	1	0280170	MODIFIED 50A96 SPRK -	
5	1	0334930	HP CASTER BASE - WELDMENT 36" EXTENDED BASE	
6	1	0313458	PROX SWITCH BRACKET	
7	1	010343	VGS SPROCKET 50B14UST #50B14F7/8" BORE	
8	1	013689	BEARING RINGBALL SA 206-20(1.25 BORE)	
9	1	015191	GBX CANIMEX CFC175-15-R-56C 15:1,RIGHT,56C	
10	1	015225	EM BALDOR VM35381/2 HP	
11	1	097239	RR TRUARC 5100-125 RETAINING RING EXTERNAL	
12	1	412261	CHAIN TIGHTENER	
14	4	425144	DUAL CASTER ASSY	
15	1	450999	ROPING BAR BRACKET	
16	1	452013	PROX BRACKET	
17	1	452448	ROPING BAR	
18	112	0334929-723201-112	CAN RENOLD 50HSC - 100FT	
32	1	451648	55" ORTHOGONAL TURNTABLE - AS PURCHASED	
DRAWN		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	
			HPD 5,000 LB BASE ASSEMBLY 36" EXTENDED BASE	
SCALE		SURFACE AREA	DWG NO	FINISH
REMOVE ALL BURRS AND SHARP EDGES			0348263	

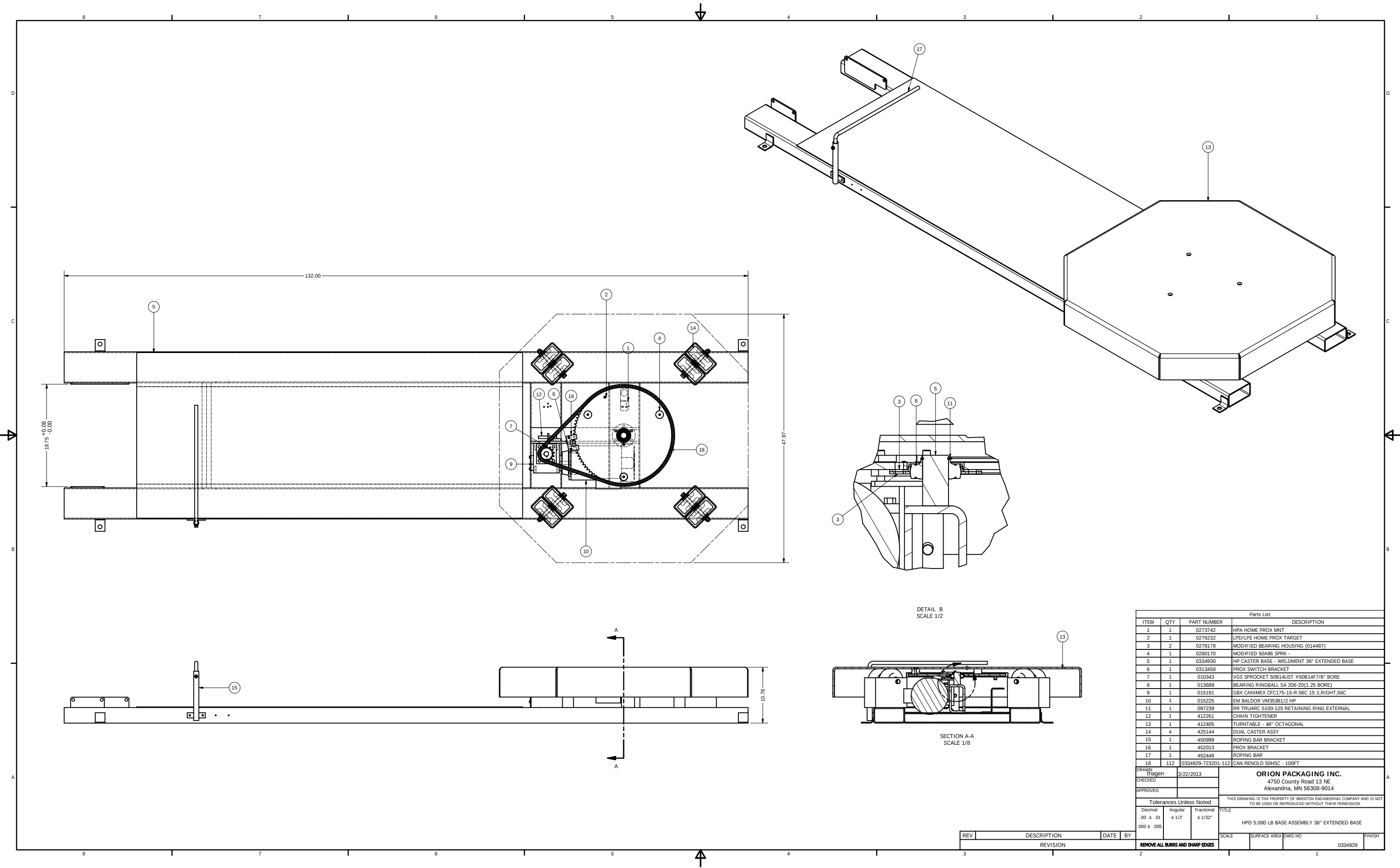


Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	010343	VGS SPROCKET 50B14JUST #50B14F7/8" BORE	
2	1	013689	BEARING RINGBALL SA 206-20(1.25 BORE)	
3	1	015191	GBX CANIMEX CFC175-15-R-56C 15.1 RIGHT .56C	
4	1	015225	EM BALDOR VM35381/2 HP	
5	1	0273742	HPA HOME PROX MNT	
6	1	0276232	LPD/LPE HOME PROX TARGET	
7	2	0278178	MODIFIED BEARING HOUSING (014487)	
8	1	0280170	MODIFIED 50A96 SPRK -	
9	1	0313458	PROX SWITCH BRACKET	
11	1	097239	RR TRUARC 5100-125 RETAINING RING EXTERNAL	
12	1	412261	CHAIN TIGHTENER	
13	1	412405	TURNABLE - 48" OCTAGONAL	
14	4	425144	DUAL CASTER ASSY	
15	1	450999	ROPING BAR BRACKET	
16	1	452013	PROX BRACKET	
17	1	452448	ROPING BAR	
18	112	723201	CAN RENOLD 50HSC - 100FT	
DRAWN thagen			8/12/2013	
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 HPD 5,000 LB BASE ASSEMBLY-18" EXT. BASE	
SCALE		SURFACE AREA	DWG NO	FINISH
REMOVE ALL BURRS AND SHARP EDGES			0341768	

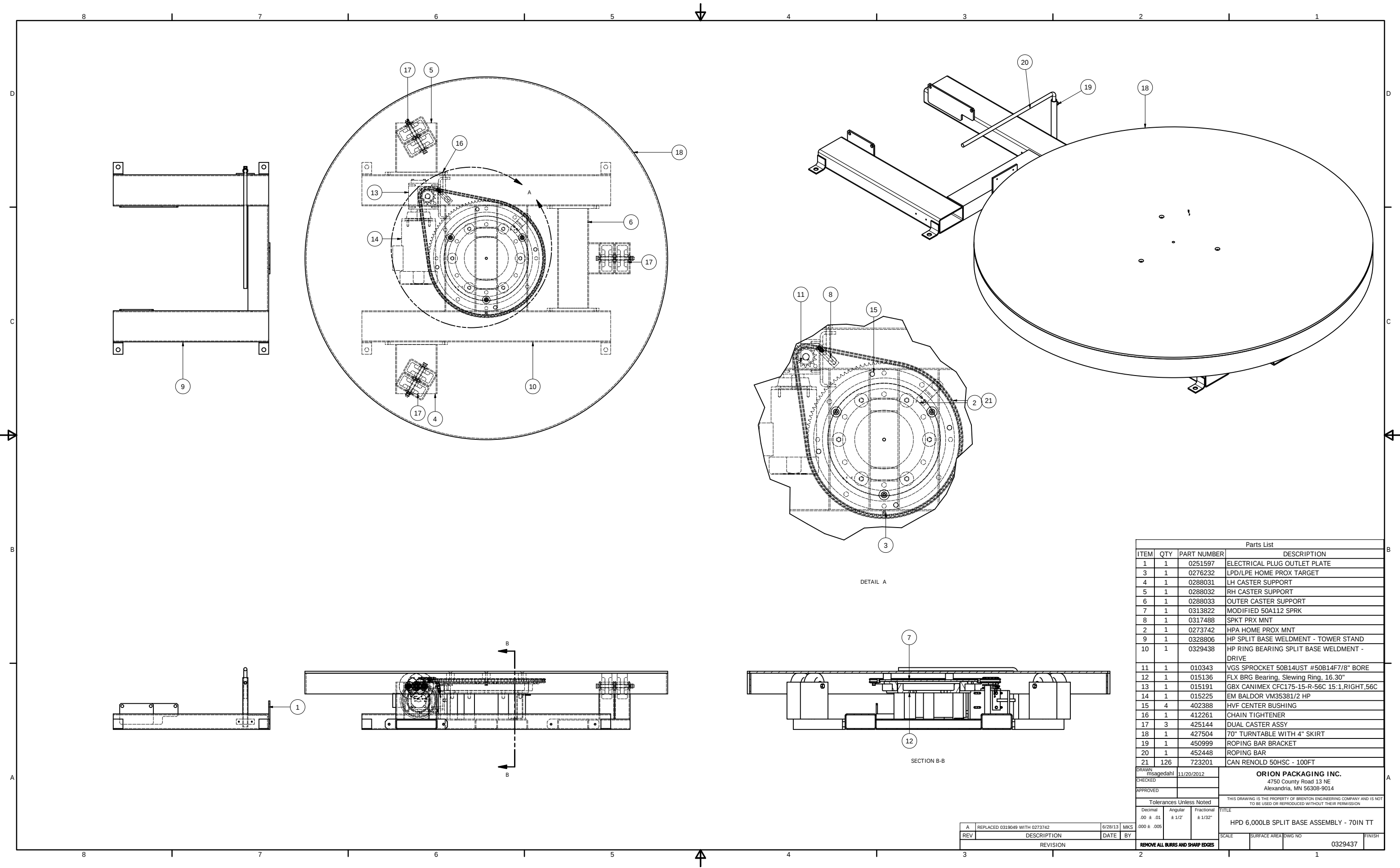


Parts List					
ITEM	QTY	PART NUMBER	DESCRIPTION		
1	1	0273742	HPA HOME PROX MNT		
2	1	0276232	LPD/LPE HOME PROX TARGET		
3	1	0334947	HP RING BEARING BASE - WELDMENT		
4	1	0313822	MODIFIED 50A112 SPRK		
5	1	0317488	SPKT PRX MNT		
6	1	010343	VGS SPROCKET 50B14UST #50B14F7/8" BORE		
7	1	015136	FLX BRG Bearing, Slewing Ring, 16.30"		
8	1	015191	GBX CANIMEX CFC175-15-R-56C 15:1,RIGHT,56C		
9	1	015225	EM BALDOR VM35381/2 HP		
10	4	402388	HVF CENTER BUSHING		
11	1	412261	CHAIN TIGHTENER		
12	1	412405	TURNTABLE - 48" OCTAGONAL		
13	1	450999	ROPING BAR BRACKET		
14	1	452448	ROPING BAR		
15	126	723201	CAN RENOLD 50HSC - 100FT		
16	1	0328806	HP SPLIT BASE WELDMENT - TOWER STAND		
17	1	728318	VGS CNTR TOR-REY PLP-4/4 - 10000LB		
DRAWN		ORION PACKAGING INC. 4750 County Road 13 NE Alexandria, MN 56308-9014			
msagedahl					
4/4/2013					
CHECKED		THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION			
APPROVED					
Tolerances Unless Noted			TITLE HPD 6,000LB BASE ASSEMBLY-W/ SCALE		
Decimal ± .01 ± .005	Angular ± 1/2°	Fractional ± 1/32"			
REMOVE ALL BURRS AND SHARP EDGES		SCALE	SURFACE AREA	DWG NO 0334950	FINISH

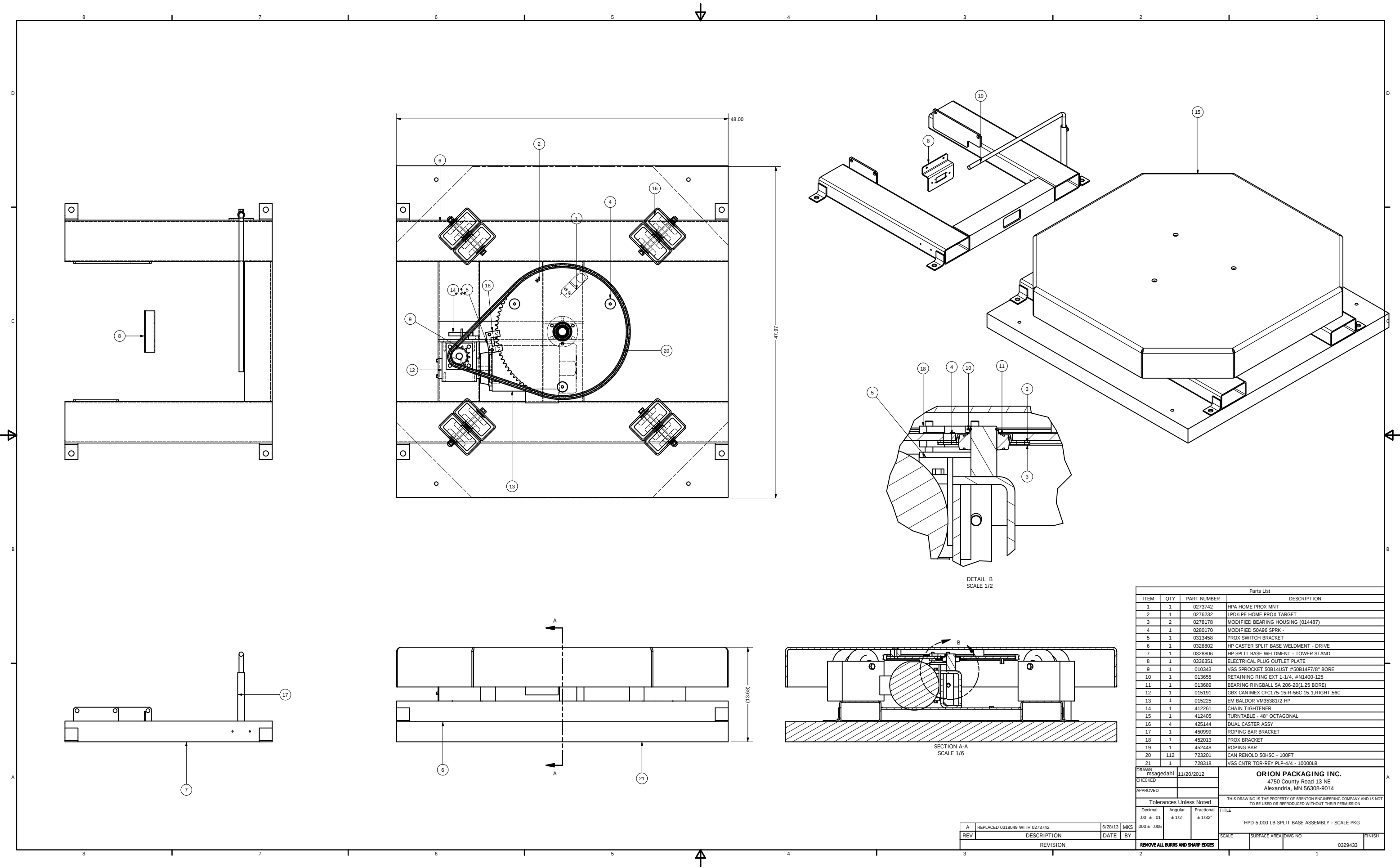




Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	0273742	HPA HOME PROX MNT	
2	1	0276232	LPD/LPE HOME PROX TARGET	
3	2	0278178	MODIFIED BEARING HOUSING (014487)	
4	1	0280170	MODIFIED 50A96 SPRK -	
5	1	0334930	HP CASTER BASE - WELDMENT 36" EXTENDED BASE	
6	1	0313458	PROX SWITCH BRACKET	
7	1	010343	VGS SPROCKET 50B14UST #50B14F7/8" BORE	
8	1	013689	BEARING RINGBALL SA 206-20(1.25 BORE)	
9	1	015191	GBX CANIMEX CFC175-15-R-56C 15:1.RIGHT.56C	
10	1	015225	EM BALDOR VM35381/2 HP	
11	1	097239	RR TRUARC 5100-125 RETAINING RING EXTERNAL	
12	1	412261	CHAIN TIGHTENER	
13	1	412405	TURNABLE - 48" OCTAGONAL	
14	4	425144	DUAL CASTER ASSY	
15	1	450999	ROPING BAR BRACKET	
16	1	452013	PROX BRACKET	
17	1	452448	ROPING BAR	
18	112	0334929-723201-112	CAN RENOLD 50HSC - 100FT	
DRAWN thagen			3/22/2013	
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 HPD 5,000 LB BASE ASSEMBLY 36" EXTENDED BASE	
SCALE		SURFACE AREA	DWG NO	FINISH
REMOVE ALL BURRS AND SHARP EDGES			0334929	

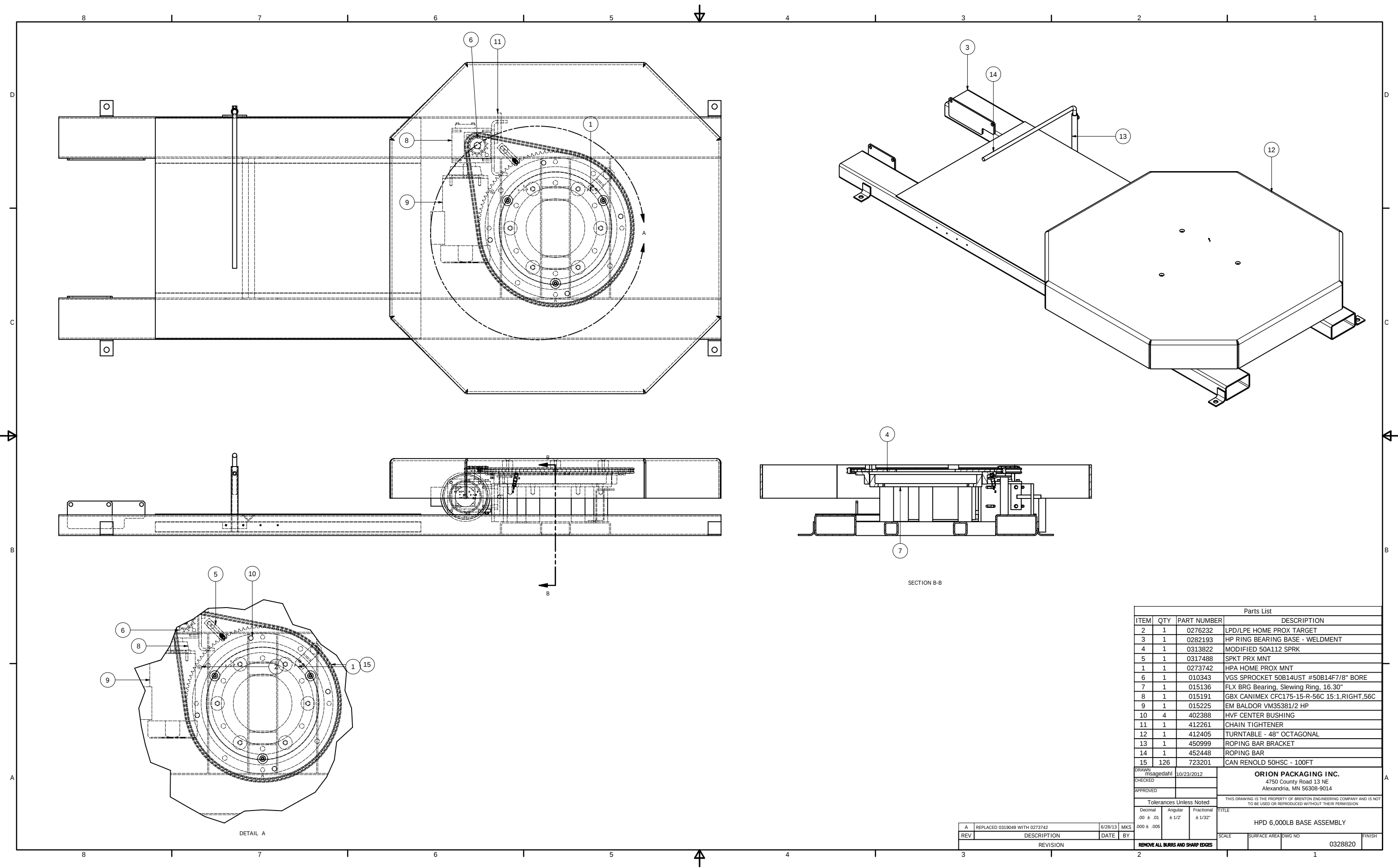


Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	0251597	ELECTRICAL PLUG OUTLET PLATE	
3	1	0276232	LPD/LPE HOME PROX TARGET	
4	1	0288031	LH CASTER SUPPORT	
5	1	0288032	RH CASTER SUPPORT	
6	1	0288033	OUTER CASTER SUPPORT	
7	1	0313822	MODIFIED 50A112 SPRK	
8	1	0317488	SPKT PRX MNT	
2	1	0273742	HPA HOME PROX MNT	
9	1	0328806	HP SPLIT BASE WELDMENT - TOWER STAND	
10	1	0329438	HP RING BEARING SPLIT BASE WELDMENT - DRIVE	
11	1	010343	VGS SPROCKET 50B14UST #50B14F7/8" BORE	
12	1	015136	FLX BRG Bearing, Slewing Ring, 16.30"	
13	1	015191	GBX CANIMEX CFC175-15-R-56C 15:1,RIGHT,56C	
14	1	015225	EM BALDOR VM35381/2 HP	
15	4	402388	HVF CENTER BUSHING	
16	1	412261	CHAIN TIGHTENER	
17	3	425144	DUAL CASTER ASSY	
18	1	427504	70" TURNTABLE WITH 4" SKIRT	
19	1	450999	ROPING BAR BRACKET	
20	1	452448	ROPING BAR	
21	126	723201	CAN RENOLD 50HSC - 100FT	
DRAWN msagedahl 11/20/2012			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				
			HPD 6,000LB SPLIT BASE ASSEMBLY - 70IN TT	
SCALE		SURFACE AREA	DWG NO	FINISH
REMOVE ALL BURRS AND SHARP EDGES			0329437	



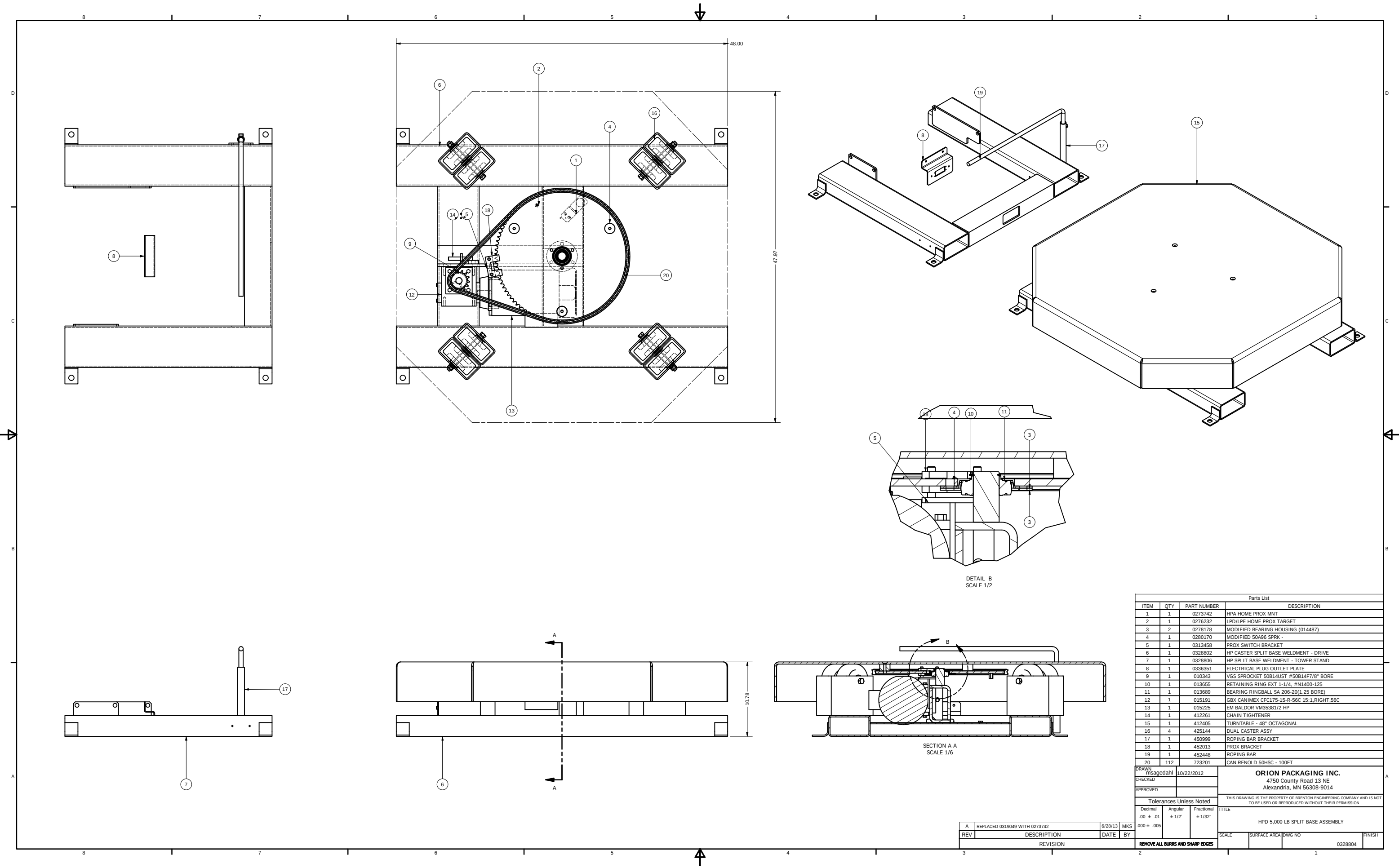
Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	0273742	HPA HOME PROX MNT	
2	1	0276232	LPD/LPE HOME PROX TARGET	
3	2	0278178	MODIFIED BEARING HOUSING (014487)	
4	1	0280170	MODIFIED 50A96 SPRK -	
5	1	0313458	PROX SWITCH BRACKET	
6	1	0328802	HP CASTER SPLIT BASE WELDMENT - DRIVE	
7	1	0328806	HP SPLIT BASE WELDMENT - TOWER STAND	
8	1	0336351	ELECTRICAL PLUG OUTLET PLATE	
9	1	010343	VGS SPROCKET 50B14AUST #50B14F7/8" BORE	
10	1	013655	RETAINING RING EXT 1-1/4, #N1400-125	
11	1	013689	BEARING RINGBALL SA 206-20(1.25 BORE)	
12	1	015191	GBX CANIMEX CFC175-15-R-56C 15-1,RIGHT,56C	
13	1	015225	EM BALDOR VM35381/2 HP	
14	1	412261	CHAIN TIGHTENER	
15	1	412405	TURNTABLE - 48" OCTAGONAL	
16	4	425144	DUAL CASTER ASSY	
17	1	450999	ROPING BAR BRACKET	
18	1	452013	PROX BRACKET	
19	1	452448	ROPING BAR	
20	112	723201	CAN RENOLD 50HSC - 100FT	
21	1	728318	VGS CNTR TOR-REY PLP-4/4 - 10000LB	
DRAWN msagedahl		11/20/2012	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	
CHECKED				
APPROVED				
Tolerances Unless Noted				
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	TITLE HPD 5,000 LB SPLIT BASE ASSEMBLY - SCALE PKG	
SCALE				
SURFACE AREA			DWG NO	FINISH
REMOVE ALL BURRS AND SHARP EDGES			0329433	

A	REPLACED 0319049 WITH 0273742	6/28/13	MKS
REV	DESCRIPTION	DATE	BY
	REVISION		

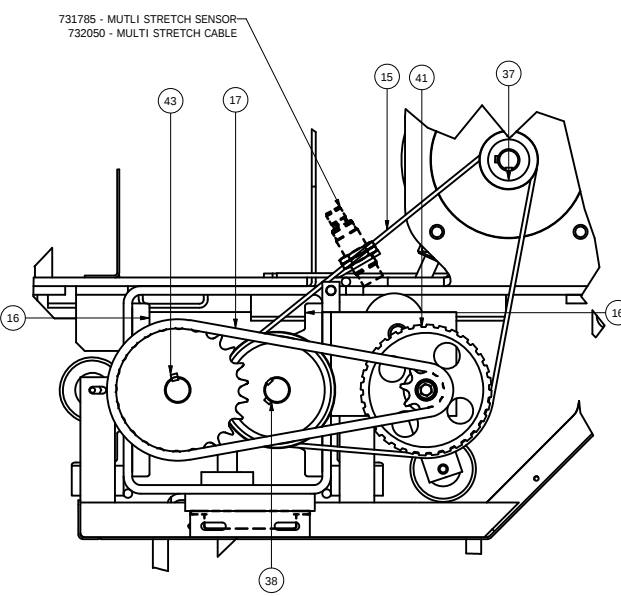


Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
2	1	0276232	LPD/LPE HOME PROX TARGET	
3	1	0282193	HP RING BEARING BASE - WELDMENT	
4	1	0313822	MODIFIED 50A112 SPRK	
5	1	0317488	SPKT PRX MNT	
1	1	0273742	HPA HOME PROX MNT	
6	1	010343	VGS SPROCKET 50B14UST #50B14F7/8" BORE	
7	1	015136	FLX BRG Bearing, Slewing Ring, 16.30"	
8	1	015191	GBX CANIMEX CFC175-15-R-56C 15:1,RIGHT,56C	
9	1	015225	EM BALDOR VM35381/2 HP	
10	4	402388	HVF CENTER BUSHING	
11	1	412261	CHAIN TIGHTENER	
12	1	412405	TURNTABLE - 48" OCTAGONAL	
13	1	450999	ROPING BAR BRACKET	
14	1	452448	ROPING BAR	
15	126	723201	CAN RENOLD 50HSC - 100FT	
DRAWN msagedahl 10/23/2012			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 HPD 6,000LB BASE ASSEMBLY	
SCALE		SURFACE AREA		DWG NO
REMOVE ALL BURRS AND SHARP EDGES				0328820
				FINISH

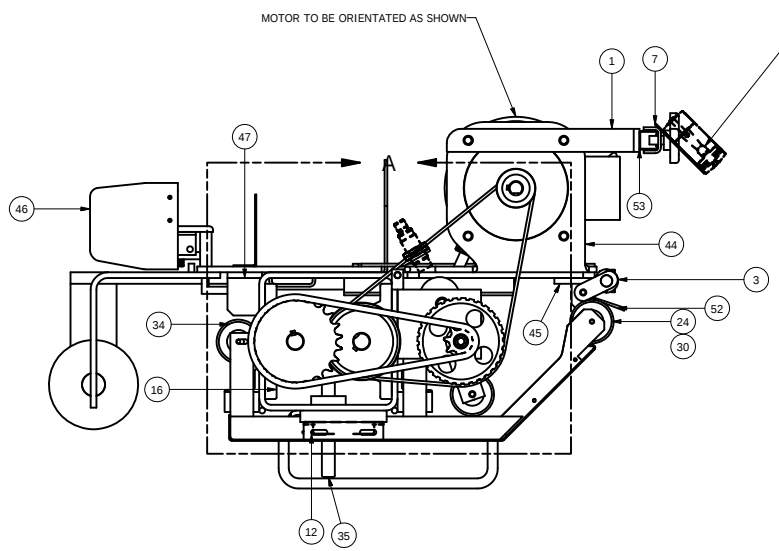
A	REPLACED 0319049 WITH 0273742	6/28/13	MKS
REV	DESCRIPTION	DATE	BY
REVISION			



Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	0273742	HPA HOME PROX MNT	
2	1	0276232	LPD/LPE HOME PROX TARGET	
3	2	0278178	MODIFIED BEARING HOUSING (014487)	
4	1	0280170	MODIFIED 50A96 SPRK -	
5	1	0313458	PROX SWITCH BRACKET	
6	1	0328802	HP CASTER SPLIT BASE WELDMENT - DRIVE	
7	1	0328806	HP SPLIT BASE WELDMENT - TOWER STAND	
8	1	0336351	ELECTRICAL PLUG OUTLET PLATE	
9	1	010343	VGS SPROCKET 50B14JUST #50B14F7/8" BORE	
10	1	013655	RETAINING RING EXT 1-1/4, #N1400-12S	
11	1	013689	BEARING RINGBALL SA 206-20(1.25 BORE)	
12	1	015191	GBX CANIMEX CFC175-15-R-56C 15:1,RIGHT,56C	
13	1	015225	EM BALDOR VM35381/2 HP	
14	1	412261	CHAIN TIGHTENER	
15	1	412405	TURNTABLE - 48" OCTAGONAL	
16	4	425144	DUAL CASTER ASSY	
17	1	450999	ROPING BAR BRACKET	
18	1	452013	PROX BRACKET	
19	1	452448	ROPING BAR	
20	112	723201	CAN RENOLD 50HSC - 100FT	
DRAWN msagedahl			10/22/2012	
CHECKED				
APPROVED				
Tolerances Unless Noted			THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION	
Decimal	Angular	Fractional	TITLE	
.00 ± .01	± 1/2°	± 1/32"	HPD 5,000 LB SPLIT BASE ASSEMBLY	
.000 ± .005			SCALE	SURFACE AREA DWG NO FINISH
REMOVE ALL BURRS AND SHARP EDGES				0328804

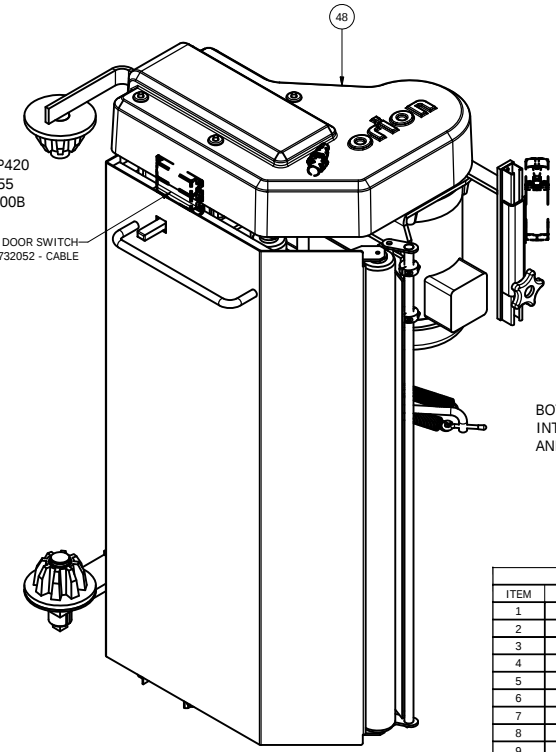


DETAIL A
SCALE 3/8



729603 - SENS 1025905WT18-3P420
729580 - SENS TURCK RKL4.43-55
716301 - SENS 7022976MB-W20008

732054 - DOOR SWITCH
732052 - CABLE

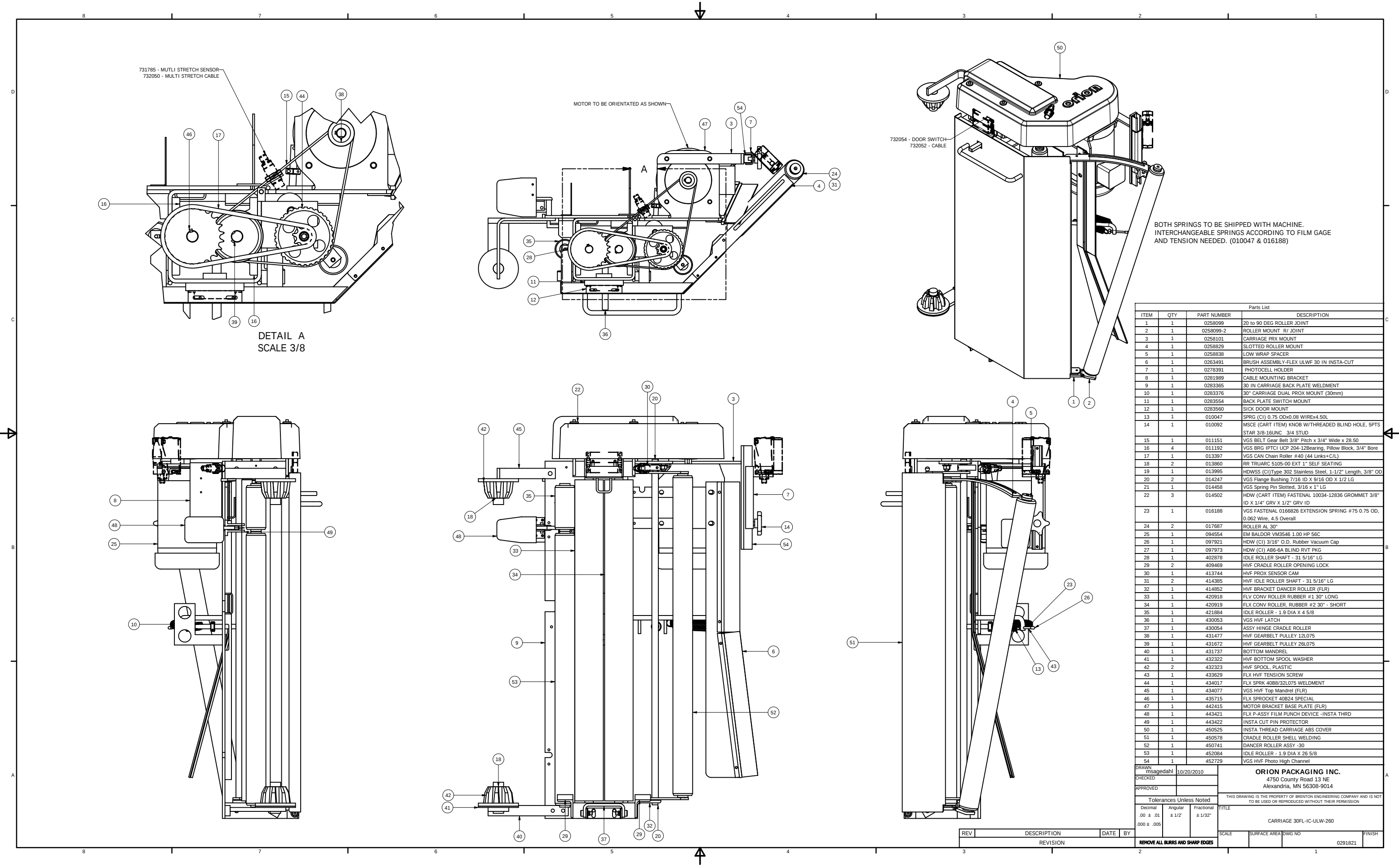


BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE SPRINGS ACCORDING TO FILM GAGE
AND TENSION NEEDED. (010047 & 016188)

Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	0258101	CARRIAGE PRX MOUNT	
2	1	0269801	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	0278386	30" FILM BRUSH HOLDER	
7	1	0278391	PHOTOCELL HOLDER	
8	1	0281989	CABLE MOUNTING BRACKET	
9	1	0283365	30 IN CARRIAGE BACK PLATE WELDMENT	
10	1	0283376	30" CARRIAGE DUAL PROX MOUNT (30mm)	
11	1	0283554	BACK PLATE SWITCH MOUNT	
12	1	0283560	SICK DOOR MOUNT	
13	1	010047	SPRG (CI) 0.75 ODx0.08 WIREx4.50L	
14	1	010092	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC 3/4 STUD	
15	1	011151	VGS BELT Gear Belt 3/8" Pitch x 3/4" Wide x 28.50	
16	4	011192	VGS BRG IPTCI UCP 204-12Bearing, Pillow Block, 3/4" Bore	
17	1	013397	VGS CAN Chain Roller #40 (44 Links+C/L)	
18	2	013860	RR TRIARC 5105-00 EXT 1" SELF SEATING	
19	1	013995	HDWSS (CART ITEM, DO NOT ORDER)Type 302 Stainless Steel, 1-1/2" Length, 3/8" OD, .048" Wire Dia.,	
20	2	014247	VGS Flange Bushing 7/16 ID X 9/16 OD X 1/2 LG	
21	1	014458	VGS Spring Pin Slotted, 3/16 x 1" LG	
22	3	014502	HDW (CART ITEM) FASTENAL 10034-12836 GROMMET 3/8" ID X 1/4" GRV X 1/2" GRV ID	
23	1	016188	VGS FASTENAL 0166826 EXTENSION SPRING #75 0.75 OD, 0.082 Wire, 4.5 Overall	
24	2	017687	ROLLER AL 30"	
25	1	094554	EM BALDOR VM3546 1.00 HP 56C	
26	1	097921	HDW (CI) 3/16" O.D. Rubber Vacuum Cap	
27	1	097973	HDW (CI) AB6-6A BLIND RVT PKG	
28	2	409469	HVF CRADLE ROLLER OPENING LOCK	
29	1	413744	HVF PROX SENSOR CAM	
30	3	414385	HVF IDLE ROLLER SHAFT - 31 5/16" LG	
31	1	414852	HVF BRACKET DANCER ROLLER (FLR)	
32	1	420918	FLV CONV ROLLER RUBBER #1 30" LONG	
33	1	420919	FLX CONV ROLLER, RUBBER #2 30" - SHORT	
34	1	421884	IDLE ROLLER - 1.9 DIA X 4 5/8	
35	1	430053	VGS HVF LATCH	
36	1	430054	ASSY HINGE CRADLE ROLLER	
37	1	431477	HVF GEARBELT PULLEY 12L075	
38	1	431672	HVF GEARBELT PULLEY 26L075	
39	1	432322	HVF BOTTOM SPOOL WASHER	
40	2	432323	HVF SPOOL, PLASTIC	
41	1	434017	FLX SPRK 4088/32L075 WELDMENT	
42	1	434077	VGS HVF Top Mandrel (FLR)	
43	1	435715	FLX SPROCKET 40824 SPECIAL	
44	1	442415	MOTOR BRACKET BASE PLATE (FLR)	
45	1	443416	ADJUSTED ROLLER HOLDER-1	
46	1	443421	FLX P-ASSY FILM PUNCH DEVICE -INSTA THRD	
47	1	443422	INSTA CUT PIN PROTECTOR	
48	1	450525	INSTA THREAD CARRIAGE ABS COVER	
49	1	450578	CRADLE ROLLER SHELL WELDING	
50	1	450741	DANCER ROLLER ASSY - 30	
51	1	452084	IDLE ROLLER - 1.9 DIA X 26 5/8	
52	1	452087	BRUSH ASSY - 30" CARRIAGE	
53	1	452729	VGS HVF Photo High Channel	
54	1	731114	HDW FD SONS OR EQUIV. N221-069	

DRAWN	msagedahl	10/21/2010	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 CARRIAGE 30FL-IC-260	
REV	DESCRIPTION	DATE	BY	FINISH
	REVISION			
REMOVE ALL BURRS AND SHARP EDGES			0291827	

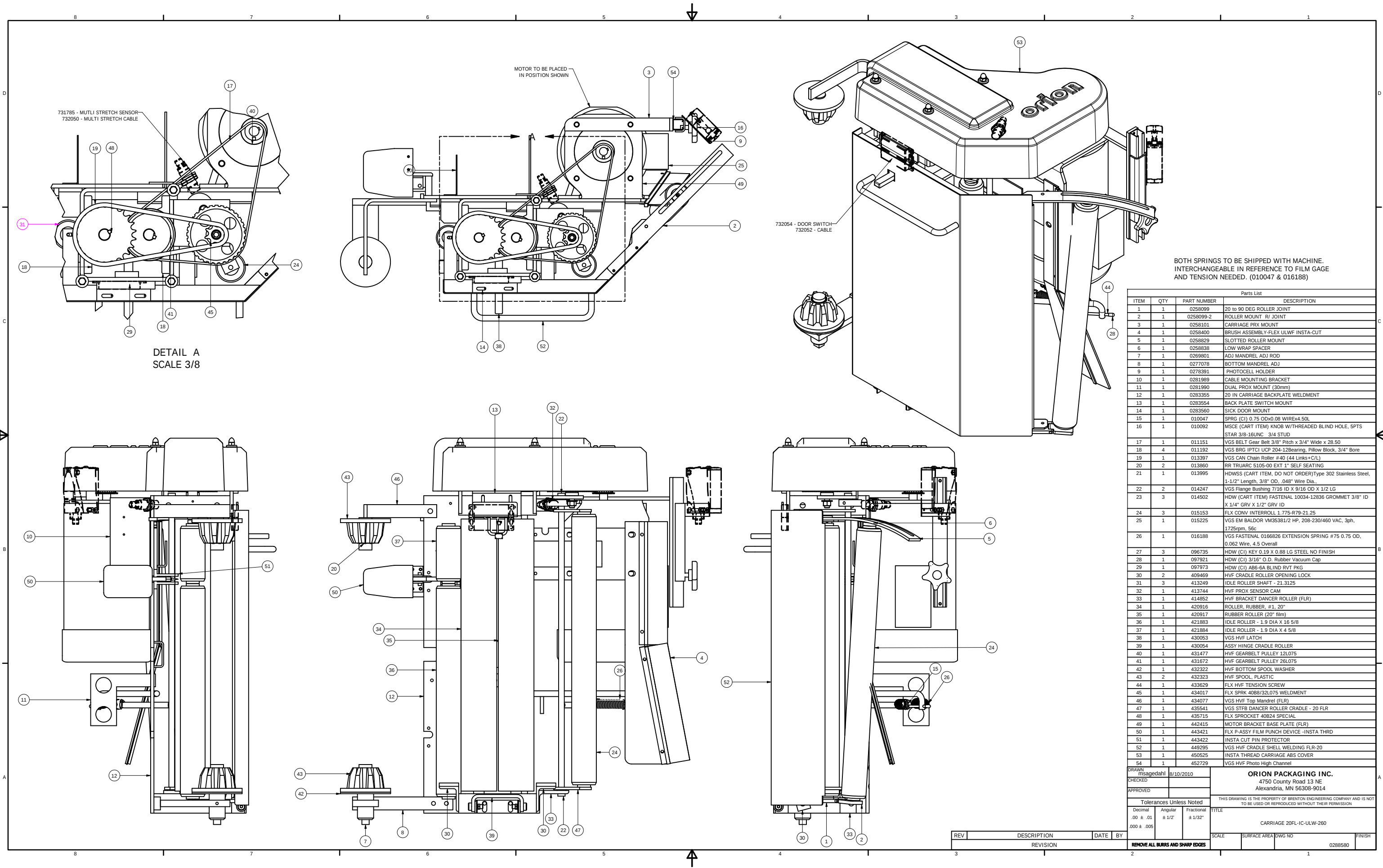
731955 (2) - SENS TOP & BOTTOM LIMIT PROX'S
732048 (1) - PATCH CABLE, MURR
732051 (1) - RT ANGLE CABLE - MURR



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

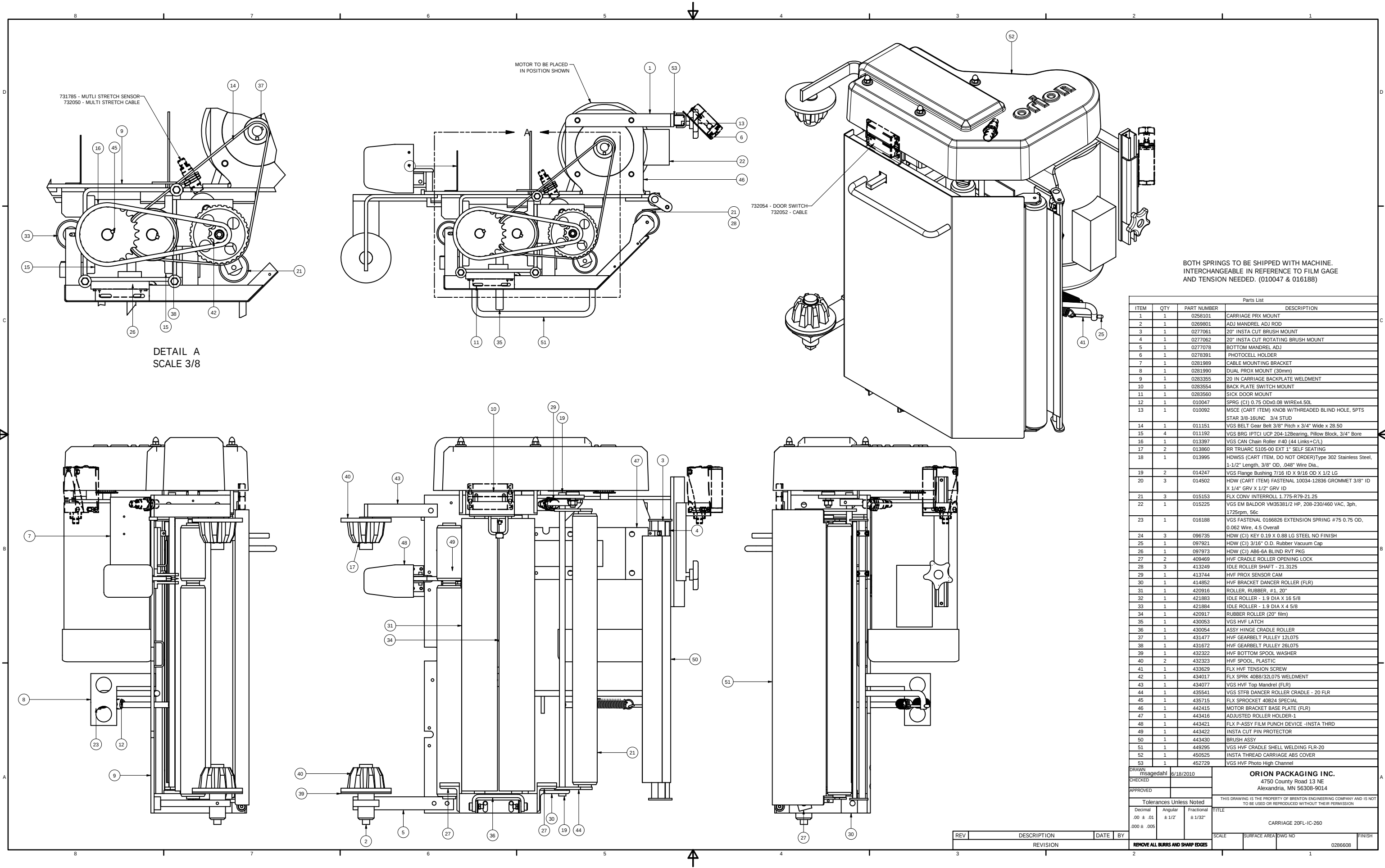
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0258099	20 to 90 DEG ROLLER JOINT
2	1	0258099-2	ROLLER MOUNT R/ JOINT
3	1	0258101	CARRIAGE PRX MOUNT
4	1	0258829	SLOTTED ROLLER MOUNT
5	1	0258838	LOW WRAP SPACER
6	1	0263491	BRUSH ASSEMBLY-FLEX ULWF 30 IN INSTA-CUT
7	1	0278391	PHOTOCELL HOLDER
8	1	0281989	CABLE MOUNTING BRACKET
9	1	0283365	30 IN CARRIAGE BACK PLATE WELDMENT
10	1	0283376	30" CARRIAGE DUAL PROX MOUNT (30mm)
11	1	0283554	BACK PLATE SWITCH MOUNT
12	1	0283560	SICK DOOR MOUNT
13	1	010047	SPRG (CI) 0.75 ODx0.08 WIREx4.50L
14	1	010092	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC 3/4 STUD
15	1	011151	VGS BELT Gear Belt 3/8" Pitch x 3/4" Wide x 28.50
16	4	011192	VGS BRG IPTCI UCP 204-12Bearing, Pillow Block, 3/4" Bore
17	1	013397	VGS CAN Chain Roller #40 (44 Links+C/L)
18	2	013860	RR TRIARC 5105-00 EXT 1" SELF SEATING
19	1	013995	HDWSS (CI)Type 302 Stainless Steel, 1-1/2" Length, 3/8" OD
20	2	014247	VGS Flange Bushing 7/16 ID X 9/16 OD X 1/2 LG
21	1	014458	VGS Spring Pin Slotted, 3/16 x 1" LG
22	3	014502	HDW (CART ITEM) FASTENAL 10034-12836 GROMMET 3/8" ID X 1/4" GRV X 1/2" GRV ID
23	1	016188	VGS FASTENAL 0166826 EXTENSION SPRING #75 0.75 OD, 0.082 Wire, 4.5 Overall
24	2	017687	ROLLER AL 30"
25	1	094554	EM BALDOR VM3546 1.00 HP 56C
26	1	097921	HDW (CI) 3/16" O.D. Rubber Vacuum Cap
27	1	097973	HDW (CI) AB6-6A BLIND RVT PKG
28	1	402878	IDLE ROLLER SHAFT - 31 5/16" LG
29	2	409469	HVF CRADLE ROLLER OPENING LOCK
30	1	413744	HVF PROX SENSOR CAM
31	2	414385	HVF IDLE ROLLER SHAFT - 31 5/16" LG
32	1	414852	HVF BRACKET DANCER ROLLER (FLR)
33	1	420918	FLV CONV ROLLER RUBBER #1 30" LONG
34	1	420919	FLX CONV ROLLER, RUBBER #2 30" - SHORT
35	1	421884	IDLE ROLLER - 1.9 DIA X 4 5/8
36	1	430053	VGS HVF LATCH
37	1	430054	ASSY HINGE CRADLE ROLLER
38	1	431477	HVF GEARBELT PULLEY 12L075
39	1	431672	HVF GEARBELT PULLEY 26L075
40	1	431737	BOTTOM MANDREL
41	1	432322	HVF BOTTOM SPOOL WASHER
42	2	432323	HVF SPOOL, PLASTIC
43	1	433629	FLX HVF TENSION SCREW
44	1	434017	FLX SPRK 4088/32L075 WELDMENT
45	1	434077	VGS HVF Top Mandrel (FLR)
46	1	435715	FLX SPROCKET 40B24 SPECIAL
47	1	442415	MOTOR BRACKET BASE PLATE (FLR)
48	1	443421	FLX P-ASSY FILM PUNCH DEVICE - INSTA THRD
49	1	443422	INSTA CUT PIN PROTECTOR
50	1	450525	INSTA THREAD CARRIAGE ABS COVER
51	1	450578	CRADLE ROLLER SHELL WELDING
52	1	450741	DANCER ROLLER ASSY - 30
53	1	452084	IDLE ROLLER - 1.9 DIA X 26 5/8
54	1	452729	VGS HVF Photo High Channel

DRAWN	msagedahl	10/20/2010
CHECKED		
APPROVED		
Tolerances Unless Noted		
Decimal	Angular	Fractional
.00 ± .01	± 1/2°	± 1/32"
.000 ± .005		
TITLE		
CARRIAGE 30FL-1C-ULW-260		
SCALE	SURFACE AREA	DWG NO
		0291821
FINISH		
REMOVE ALL BURRS AND SHARP EDGES		



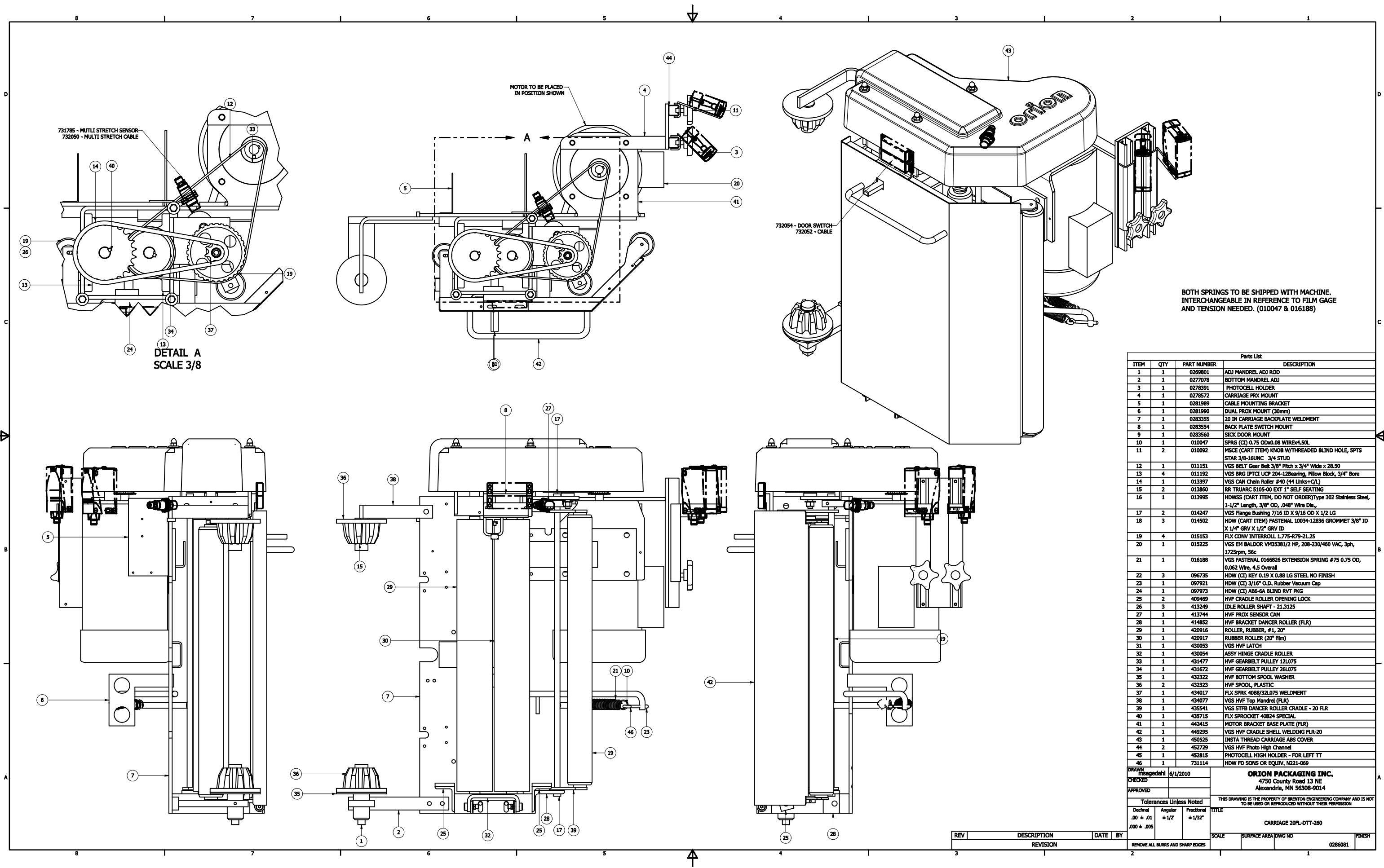
Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	0258099	20 to 90 DEG ROLLER JOINT	
2	1	0258099-2	ROLLER MOUNT R/ JOINT	
3	1	0258101	CARRIAGE PRX MOUNT	
4	1	0258400	BRUSH ASSEMBLY-FLEX ULWF INSTA-CUT	
5	1	0258829	SLOTTED ROLLER MOUNT	
6	1	0258838	LOW WRAP SPACER	
7	1	0269801	ADJ MANDREL ADJ ROD	
8	1	0277078	BOTTOM MANDREL ADJ	
9	1	0278391	PHOTOCELL HOLDER	
10	1	0281989	CABLE MOUNTING BRACKET	
11	1	0281990	DUAL PROX MOUNT (30mm)	
12	1	0283355	20 IN CARRIAGE BACKPLATE WELDMENT	
13	1	0283554	BACK PLATE SWITCH MOUNT	
14	1	0283560	SICK DOOR MOUNT	
15	1	010047	SPRG (CI) 0.75 ODx0.08 WIREx4.50L	
16	1	010092	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC. 3/4 STUD	
17	1	011151	VGS BELT Gear 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 Links+C/L)	
20	2	013860	RR TRUARC 5105-00 EXT 1" SELF SEATING	
21	1	013995	HDWSS (CART ITEM, DO NOT ORDER)Type 302 Stainless Steel, 1-1/2" Length, 3/8" OD, .048" Wire Dia.,	
22	2	014247	VGS Flange Bushing 7/16 ID X 9/16 OD X 1/2 LG	
23	3	014502	HDW (CART ITEM) FASTENAL 10034-12836 GROMMET 3/8" ID X 1/4" GRV X 1/2" GRV ID	
24	3	015153	FLX CONV INTERROLL 1.775-R79-21.25	
25	1	015225	VGS EM BALDOR VM35391/2 HP, 208-230/460 VAC, 3ph, 1725rpm, 56c	
26	1	016188	VGS FASTENAL 0166826 EXTENSION SPRING #75 0.75 OD, 0.062 Wire, 4.5 Overall	
27	3	096735	HDW (CI) KEY 0.19 X 0.88 LG STEEL NO FINISH	
28	1	097921	HDW (CI) 3/16" O.D. Rubber Vacuum Cap	
29	1	097973	HDW (CI) AB6-6A BLIND RVT PKG	
30	2	409469	HVF CRADLE ROLLER OPENING LOCK	
31	3	413249	IDLE ROLLER SHAFT - 21.3125	
32	1	413744	HVF PROX SENSOR CAM	
33	1	414852	HVF BRACKET DANCER ROLLER (FLR)	
34	1	420916	ROLLER, RUBBER, #1, 20"	
35	1	420917	RUBBER ROLLER (20" film)	
36	1	421883	IDLE ROLLER - 1.9 DIA X 16 5/8	
37	1	421884	IDLE ROLLER - 1.9 DIA X 4 5/8	
38	1	430053	VGS HVF LATCH	
39	1	430054	ASSY HINGE CRADLE ROLLER	
40	1	431477	HVF GEARBELT PULLEY 12L075	
41	1	431672	HVF GEARBELT PULLEY 26L075	
42	1	432322	HVF BOTTOM SPOOL WASHER	
43	2	432323	HVF SPOOL PLASTIC	
44	1	433629	FLX HVF TENSION SCREW	
45	1	434017	FLX SPRK 40B8/32L075 WELDMENT	
46	1	434077	VGS HVF Top Mandrel (FLR)	
47	1	435541	VGS STFB DANCER ROLLER CRADLE - 20 FLR	
48	1	435715	FLX SPROCKET 40B24 SPECIAL	
49	1	442415	MOTOR BRACKET BASE PLATE (FLR)	
50	1	443421	FLX P-ASSY FILM PUNCH DEVICE -INSTA THRD	
51	1	443422	INSTA CUT PIN PROTECTOR	
52	1	449295	VGS HVF CRADLE SHELL WELDING FLR-20	
53	1	450525	INSTA THREAD CARRIAGE ABS COVER	
54	1	452729	VGS HVF Photo High Channel	

DRAWN msagedahl	8/10/2010	ORION PACKAGING INC. 4750 County Road 13 NE Alexandria, MN 56308-9014				
CHECKED						
APPROVED						
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Decimal ± .01 000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	TITLE CARRIAGE 20FL-IC-ULW-260			
REMOVE ALL BURRS AND SHARP EDGES			SCALE	SURFACE AREA	DWG NO	FINISH
					0288580	



Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	0258101	CARRIAGE PRX MOUNT	
2	1	0269801	ADJ MANDREL ADJ ROD	
3	1	0277061	20" INSTA CUT BRUSH MOUNT	
4	1	0277062	20" INSTA CUT ROTATING BRUSH MOUNT	
5	1	0277078	BOTTOM MANDREL ADJ	
6	1	0278391	PHOTOCELL HOLDER	
7	1	0281989	CABLE MOUNTING BRACKET	
8	1	0281990	DUAL PROX MOUNT (30mm)	
9	1	0283355	20 IN CARRIAGE BACKPLATE WELDMENT	
10	1	0283554	BACK PLATE SWITCH MOUNT	
11	1	0283560	SICK DOOR MOUNT	
12	1	010047	SPRG (CI) 0.75 ODx0.08 WIREx4.50L	
13	1	010092	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC 3/4 STUD	
14	1	011151	VGS BELT Gear Belt 3/8" Pitch x 3/4" Wide x 28.50	
15	4	011192	VGS BRG IPTCI UCP 204-12Bearing, Pillow Block, 3/4" Bore	
16	1	013397	VGS CAN Chain Roller #40 (44 Links+C/L)	
17	2	013860	RR TRUARC 5105-00 EXT 1" SELF SEATING	
18	1	013995	HDWSS (CART ITEM, DO NOT ORDER)Type 302 Stainless Steel, 1-1/2" Length, 3/8" OD, .048" Wire Dia.	
19	2	014247	VGS Flange Bushing 7/16 ID X 9/16 OD X 1/2 LG	
20	3	014502	HDW (CART ITEM) FASTENAL 10034-12836 GROMMET 3/8" ID X 1/4" GRV X 1/2" GRV ID	
21	3	015153	FLX CONV INTERROLL 1.775-R79-21.25	
22	1	015225	VGS EM BALDOR VM35381/2 HP, 208-230/460 VAC, 3ph, 1725rpm, 56c	
23	1	016188	VGS FASTENAL 0166826 EXTENSION SPRING #75 0.75 OD, 0.062 Wire, 4.5 Overall	
24	3	096735	HDW (CI) KEY 0.19 X 0.88 LG STEEL NO FINISH	
25	1	097921	HDW (CI) 3/16" O.D. Rubber Vacuum Cap	
26	1	097973	HDW (CI) AB6-6A BLIND RVT PKG	
27	2	409469	HVF CRADLE ROLLER OPENING LOCK	
28	3	413249	IDLE ROLLER SHAFT - 21.3125	
29	1	413744	HVF PROX SENSOR CAM	
30	1	414852	HVF BRACKET DANCER ROLLER (FLR)	
31	1	420916	ROLLER, RUBBER, #1, 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	RUBBER ROLLER (20" film)	
35	1	430053	VGS HVF LATCH	
36	1	430054	ASSY HINGE CRADLE ROLLER	
37	1	431477	HVF GEARBELT PULLEY 12L075	
38	1	431672	HVF GEARBELT PULLEY 26L075	
39	1	432322	HVF BOTTOM SPOOL WASHER	
40	2	432323	HVF SPOOL, PLASTIC	
41	1	433629	FLX HVF TENSION SCREW	
42	1	434017	FLX SPRK 40B8/32L075 WELDMENT	
43	1	434077	VGS HVF Top Mandrel (FLR)	
44	1	435541	VGS STFB DANCER ROLLER CRADLE - 20 FLR	
45	1	435715	FLX SPROCKET 40B24 SPECIAL	
46	1	442415	MOTOR BRACKET BASE PLATE (FLR)	
47	1	443416	ADJUSTED ROLLER HOLDER-1	
48	1	443421	FLX P-ASSY FILM PUNCH DEVICE -INSTA THRD	
49	1	443422	INSTA CUT PIN PROTECTOR	
50	1	443430	BRUSH ASSY	
51	1	449295	VGS HVF CRADLE SHELL WELDING FLR-20	
52	1	450525	INSTA THREAD CARRIAGE ABS COVER	
53	1	452729	VGS HVF Photo High Channel	

DRAWN	msagedahl	6/18/2010	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	Angular	Fractional	TITLE			
.00 ± .01	± 1/2°	± 1/32"	CARRIAGE 20FL-IC-260			
.000 ± .005						
REMOVE ALL BURRS AND SHARP EDGES			SCALE	SURFACE AREA	DWG NO	FINISH
					0286608	

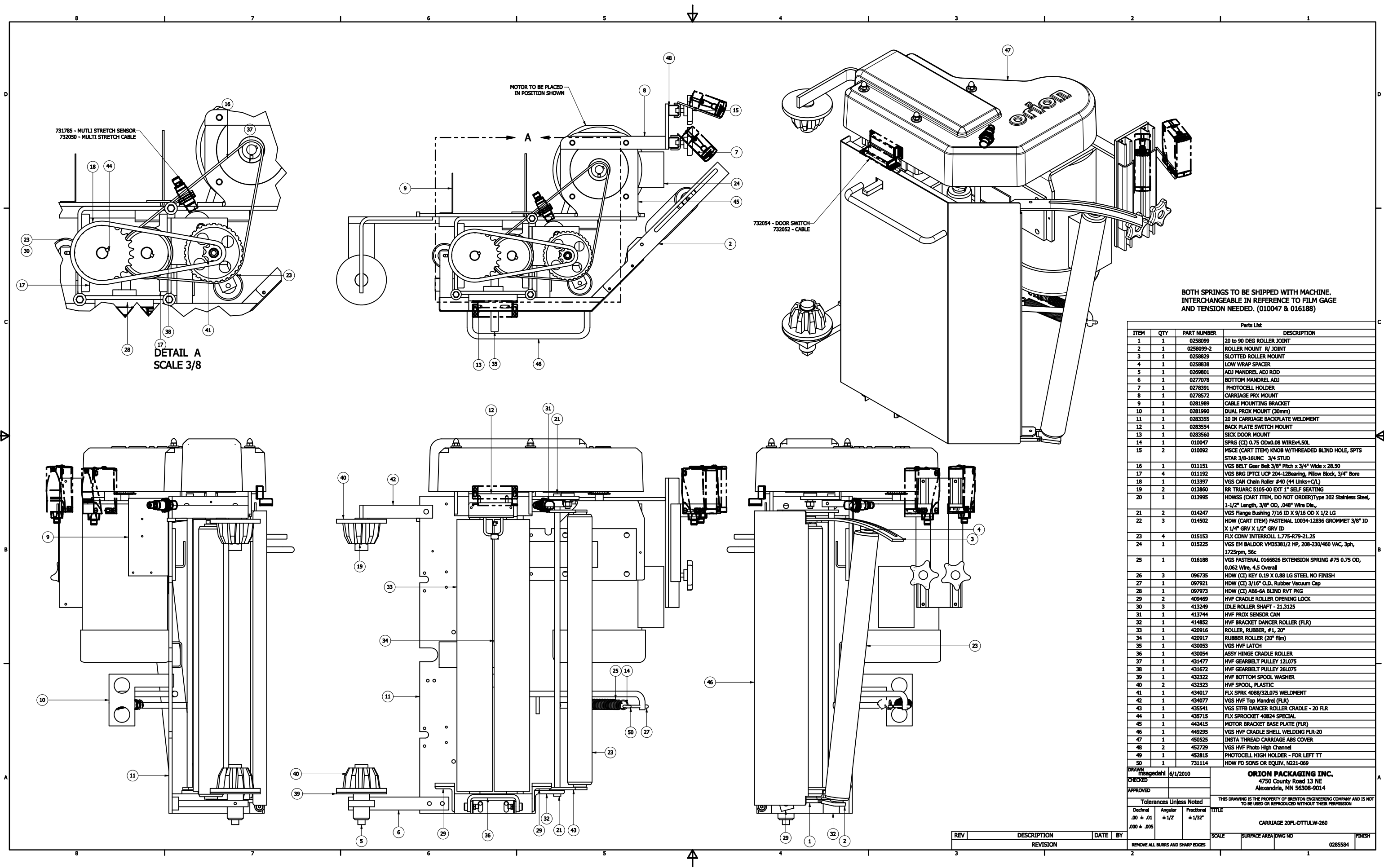


BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE IN REFERENCE TO FILM GAGE
AND TENSION NEEDED. (010047 & 016188)

Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	0269801	ADJ MANDREL ADJ ROD	
2	1	0277078	BOTTOM MANDREL ADJ	
3	1	0278391	PHOTOCELL HOLDER	
4	1	0278572	CARRIAGE PRX MOUNT	
5	1	0281989	CABLE MOUNTING BRACKET	
6	1	0281990	DUAL PROX MOUNT (30mm)	
7	1	0283355	20 IN CARRIAGE BACKPLATE WELDMENT	
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	2	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	3	014502	HDW (CART ITEM) FASTENAL 10034-12836 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	015225	VGS EM BALDOR VM35381/2 HP, 208-230/460 VAC, 3ph, 1725rpm, 56c	
21	1	016188	VGS FASTENAL 0166826 EXTENSION SPRING #75 0.75 OD, 0.062 Wire, 4.5 Overall	
22	3	096735	HDW (CI) KEY 0.19 X 0.88 LG STEEL NO FINISH	
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	3	413249	IDLE ROLLER SHAFT - 21.3125	
27	1	413744	HVF PROX SENSOR CAM	
28	1	414852	HVF BRACKET DANCER ROLLER (FLR)	
29	1	420916	ROLLER, RUBBER, #1, 20"	
30	1	420917	RUBBER ROLLER (20" film)	
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 4088/32L075 WELDMENT	
38	1	434077	VGS HVF Top Mandrel (FLR)	
39	1	435541	VGS STFB DANCER ROLLER CRADLE - 20 FLR	
40	1	435715	FLX SPROCKET 40824 SPECIAL	
41	1	442415	MOTOR BRACKET BASE PLATE (FLR)	
42	1	449295	VGS HVF CRADLE SHELL WELDING FLR-20	
43	1	450525	INSTA THREAD CARRIAGE ABS COVER	
44	2	452729	VGS HVF Photo High Channel	
45	1	452815	PHOTOCELL HIGH HOLDER - FOR LEFT TT	
46	1	731114	HDW FD SONS OR EQUIV. N221-069	

DRAWN	msagedahl	6/1/2010
CHECKED		
APPROVED		
Tolerances Unless Noted		
Decimal	Angular	Fractional
.00 ± .01	± 1/2°	± 1/32"
.000 ± .005		
REMOVE ALL BURRS AND SHARP EDGES		
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		
TITLE		
CARRIAGE 20FL-DTT-260		
SCALE	SURFACE AREA (DWG NO)	FINISH
		0286081

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0269801	ADJ MANDREL ADJ ROD
2	1	0277078	BOTTOM MANDREL ADJ
3	1	0278391	PHOTOCELL HOLDER
4	1	0278572	CARRIAGE PRX MOUNT
5	1	0281989	CABLE MOUNTING BRACKET
6	1	0281990	DUAL PROX MOUNT (30mm)
7	1	0283355	20 IN CARRIAGE BACKPLATE WELDMENT
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	2	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	3	014502	HDW (CART ITEM) FASTENAL 10034-12836 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	015225	VGS EM BALDOR VM35381/2 HP, 208-230/460 VAC, 3ph, 1725rpm, 56c
21	1	016188	VGS FASTENAL 0166826 EXTENSION SPRING #75 0.75 OD, 0.062 Wire, 4.5 Overall
22	3	096735	HDW (CI) KEY 0.19 X 0.88 LG STEEL NO FINISH
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	3	413249	IDLE ROLLER SHAFT - 21.3125
27	1	413744	HVF PROX SENSOR CAM
28	1	414852	HVF BRACKET DANCER ROLLER (FLR)
29	1	420916	ROLLER, RUBBER, #1, 20"
30	1	420917	RUBBER ROLLER (20" film)
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	435541	VGS STFB DANCER ROLLER CRADLE - 20 FLR
40	1	435715	FLX SPROCKET 40B24 SPECIAL
41	1	442415	MOTOR BRACKET BASE PLATE (FLR)
42	1	449295	VGS HVF CRADLE SHELL WELDING FLR-20
43	1	450525	INSTA THREAD CARRIAGE ABS COVER
44	2	452729	VGS HVF Photo High Channel
45	1	452815	PHOTOCELL HIGH HOLDER - FOR LEFT TT
46	1	731114	HDW FD SONS OR EQUIV. N221-069



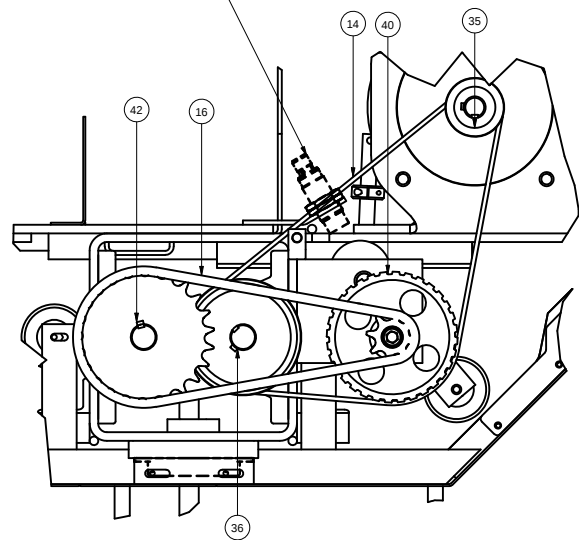
BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE IN REFERENCE TO FILM GAGE
AND TENSION NEEDED. (010047 & 016188)

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0258099	20 to 90 DEG ROLLER JOINT
2	1	0258099-2	ROLLER MOUNT R/ JOINT
3	1	0258829	SLOTTED ROLLER MOUNT
4	1	0258838	LOW WRAP SPACER
5	1	0269801	ADJ MANDREL ADJ ROD
6	1	0277078	BOTTOM MANDREL ADJ
7	1	0278391	PHOTOCELL HOLDER
8	1	0278572	CARRIAGE PRX MOUNT
9	1	0281989	CABLE MOUNTING BRACKET
10	1	0281990	DUAL PROX MOUNT (30mm)
11	1	0283355	20 IN CARRIAGE BACKPLATE WELDMENT
12	1	0283554	BACK PLATE SWITCH MOUNT
13	1	0283560	SICK DOOR MOUNT
14	1	010047	SPRG (CI) 0.75 ODx0.08 WIREx4.50L
15	2	010092	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC. 3/4 STUD
16	1	011151	VGS BELT Gear Belt 3/8" Pitch x 3/4" Wide x 28.50
17	4	011192	VGS BRG IPTCI UCP 204-12Bearing, Pillow Block, 3/4" Bore
18	1	013397	VGS CAN Chain Roller #40 (44 Links+C/L)
19	2	013860	RR TRUARC 5105-00 EXT 1" SELF SEATING
20	1	013995	HDWSS (CART ITEM, DO NOT ORDER)Type 302 Stainless Steel, 1-1/2" Length, 3/8" OD, .048" Wire Dia.,
21	2	014247	VGS Flange Bushing 7/16 ID X 9/16 OD X 1/2 LG
22	3	014502	HDW (CART ITEM) FASTENAL 10034-12836 GROMMET 3/8" ID X 1/4" GRV X 1/2" GRV ID
23	4	015153	FLX CONV INTERROLL 1.775-R79-21.25
24	1	015225	VGS EM BALDOR VM35381/2 HP, 208-230/460 VAC, 3ph, 1725rpm, 56c
25	1	016188	VGS FASTENAL 0166826 EXTENSION SPRING #75 0.75 OD, 0.062 Wire, 4.5 Overall
26	3	096735	HDW (CI) KEY 0.19 X 0.88 LG STEEL NO FINISH
27	1	097921	HDW (CI) 3/16" O.D. Rubber Vacuum Cap
28	1	097973	HDW (CI) AB6-6A BLIND RVT PKG
29	2	409469	HVF CRADLE ROLLER OPENING LOCK
30	3	413249	IDLE ROLLER SHAFT - 21.3125
31	1	413744	HVF PROX SENSOR CAM
32	1	414852	HVF BRACKET DANCER ROLLER (FLR)
33	1	420916	ROLLER, RUBBER, #1, 20"
34	1	420917	RUBBER ROLLER (20" flm)
35	1	430053	VGS HVF LATCH
36	1	430054	ASSY HINGE CRADLE ROLLER
37	1	431477	HVF GEARBELT PULLEY 12L075
38	1	431672	HVF GEARBELT PULLEY 26L075
39	1	432322	HVF BOTTOM SPOOL WASHER
40	2	432323	HVF SPOOL, PLASTIC
41	1	434017	FLX SPRK 4088/32L075 WELDMENT
42	1	434077	VGS HVF Top Mandrel (FLR)
43	1	435541	VGS STFB DANCER ROLLER CRADLE - 20 FLR
44	1	435715	FLX SPROCKET 40824 SPECIAL
45	1	442415	MOTOR BRACKET BASE PLATE (FLR)
46	1	449295	VGS HVF CRADLE SHELL WELDING FLR-20
47	1	450525	INSTA THREAD CARRIAGE ABS COVER
48	2	452729	VGS HVF Photo High Channel
49	1	452815	PHOTOCELL HIGH HOLDER - FOR LEFT TT
50	1	731114	HDW FD SONS OR EQUIV. N221-069

DRAWN	msagedahl	6/1/2010
CHECKED		
APPROVED		
Tolerances Unless Noted		
Decimal	Angular	Fractional
.00 ± .01	± 1/2°	± 1/32"
.000 ± .005		
REMOVE ALL BURRS AND SHARP EDGES		
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		
TITLE CARRIAGE 20FL-DTTLW-260		
SCALE	SURFACE AREA (DWG NO)	FINISH
		0285584

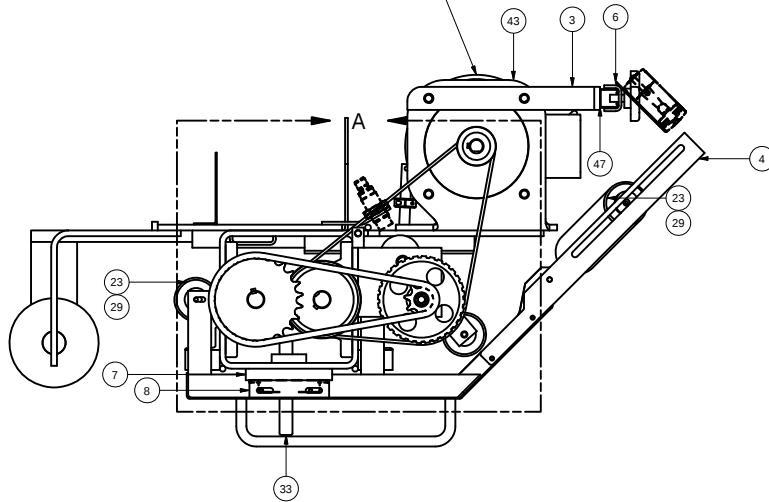
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0258099	20 to 90 DEG ROLLER JOINT
2	1	0258099-2	ROLLER MOUNT R/ JOINT
3	1	0258829	SLOTTED ROLLER MOUNT
4	1	0258838	LOW WRAP SPACER
5	1	0269801	ADJ MANDREL ADJ ROD
6	1	0277078	BOTTOM MANDREL ADJ
7	1	0278391	PHOTOCELL HOLDER
8	1	0278572	CARRIAGE PRX MOUNT
9	1	0281989	CABLE MOUNTING BRACKET
10	1	0281990	DUAL PROX MOUNT (30mm)
11	1	0283355	20 IN CARRIAGE BACKPLATE WELDMENT
12	1	0283554	BACK PLATE SWITCH MOUNT
13	1	0283560	SICK DOOR MOUNT
14	1	010047	SPRG (CI) 0.75 ODx0.08 WIREx4.50L
15	2	010092	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC 3/4 STUD
16	1	011151	VGS BELT Gear Belt 3/8" Pitch x 3/4" Wide x 28.50
17	4	011192	VGS BRG IPTCI UCP 204-12Bearing, Pillow Block, 3/4" Bore
18	1	013397	VGS CAN Chain Roller #40 (44 Links+C/L)
19	2	013860	RR TRUARC 5105-00 EXT 1" SELF SEATING
20	1	013995	HDWSS (CART ITEM, DO NOT ORDER)Type 302 Stainless Steel, 1-1/2" Length, 3/8" OD, .048" Wire Dia.,
21	2	014247	VGS Flange Bushing 7/16 ID X 9/16 OD X 1/2 LG
22	3	014502	HDW (CART ITEM) FASTENAL 10034-12836 GROMMET 3/8" ID X 1/4" GRV X 1/2" GRV ID
23	4	015153	FLX CONV INTERROLL 1.775-R79-21.25
24	1	015225	VGS EM BALDOR VM35381/2 HP, 208-230/460 VAC, 3ph, 1725rpm, 56c
25	1	016188	VGS FASTENAL 0166826 EXTENSION SPRING #75 0.75 OD, 0.062 Wire, 4.5 Overall
26	3	096735	HDW (CI) KEY 0.19 X 0.88 LG STEEL NO FINISH
27	1	097921	HDW (CI) 3/16" O.D. Rubber Vacuum Cap
28	1	097973	HDW (CI) AB6-6A BLIND RVT PKG
29	2	409469	HVF CRADLE ROLLER OPENING LOCK
30	3	413249	IDLE ROLLER SHAFT - 21.3125
31	1	413744	HVF PROX SENSOR CAM
32	1	414852	HVF BRACKET DANCER ROLLER (FLR)
33	1	420916	ROLLER, RUBBER, #1, 20"
34	1	420917	RUBBER ROLLER (20" film)
35	1	430053	VGS HVF LATCH
36	1	430054	ASSY HINGE CRADLE ROLLER
37	1	431477	HVF GEARBELT PULLEY 12L075
38	1	431672	HVF GEARBELT PULLEY 26L075
39	1	432322	HVF BOTTOM SPOOL WASHER
40	2	432323	HVF SPOOL PLASTIC
41	1	434017	FLX SPRK 40B8/32L075 WELDMENT
42	1	434077	VGS HVF Top Mandrel (FLR)
43	1	435541	VGS STFB DANCER ROLLER CRADLE - 20 FLR
44	1	435715	FLX SPROCKET 40B24 SPECIAL
45	1	442415	MOTOR BRACKET BASE PLATE (FLR)
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47	1	450525	INSTA THREAD CARRIAGE ABS COVER
48	2	452729	VGS HVF Photo High Channel
49	1	452815	PHOTOCELL HIGH HOLDER - FOR LEFT TT
50	1	731114	HDW FD SONS OR EQUIV. N221-069

731785 - MUTLI STRETCH SENSOR
732050 - MULTI STRETCH CABLE

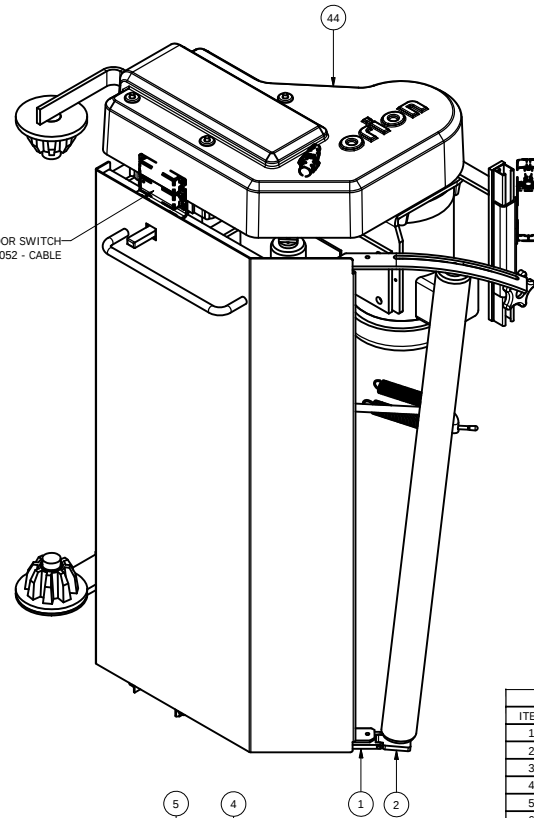


DETAIL A
SCALE 3/8

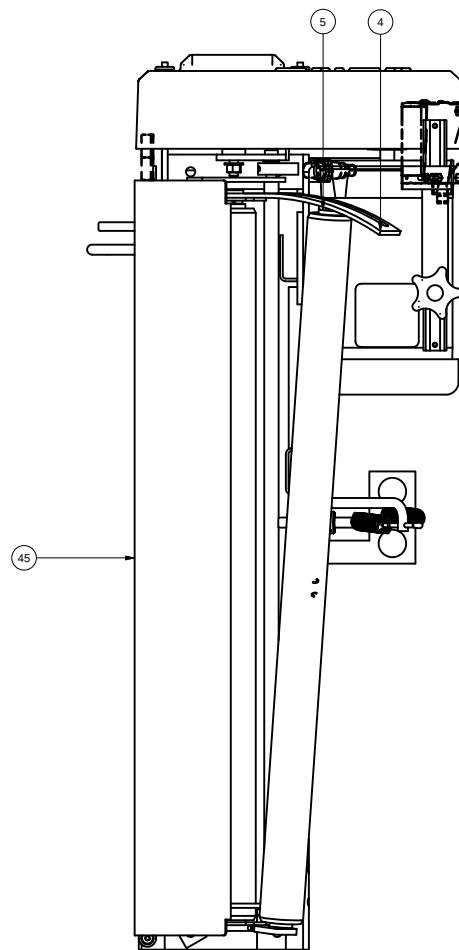
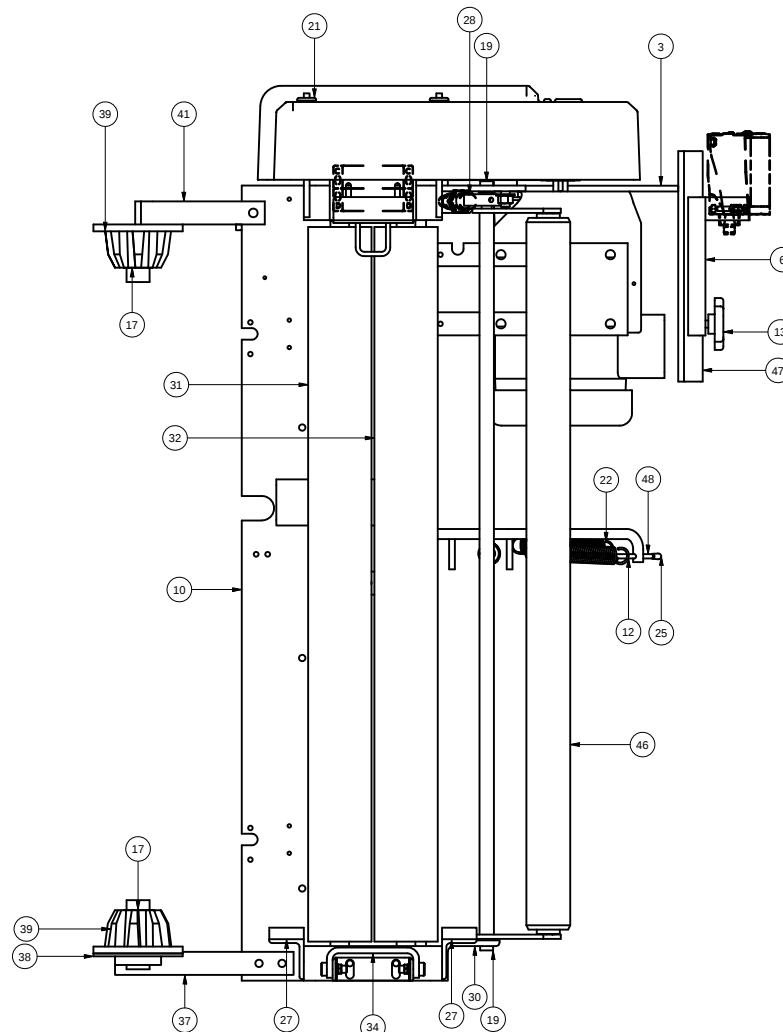
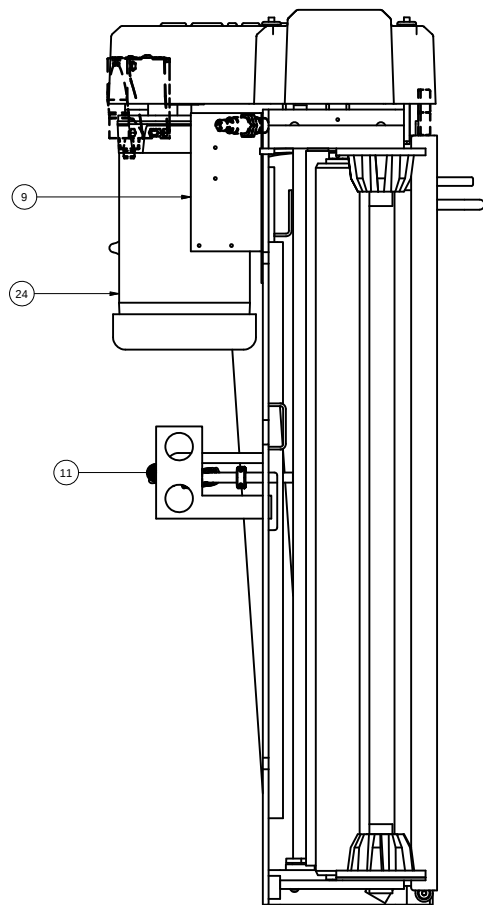
MOTOR TO BE ORIENTATED AS SHOWN



732054 - DOOR SWITCH
732052 - CABLE

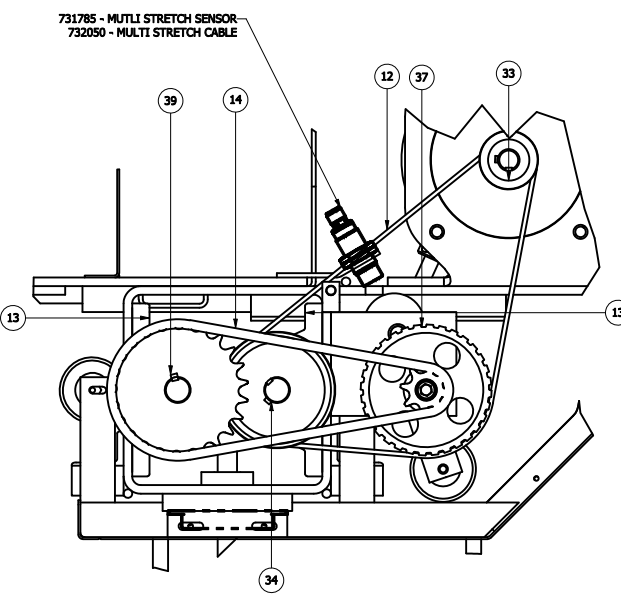


BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE SPRINGS ACCORDING TO FILM GAGE
AND TENSION NEEDED. (010047 & 016188)

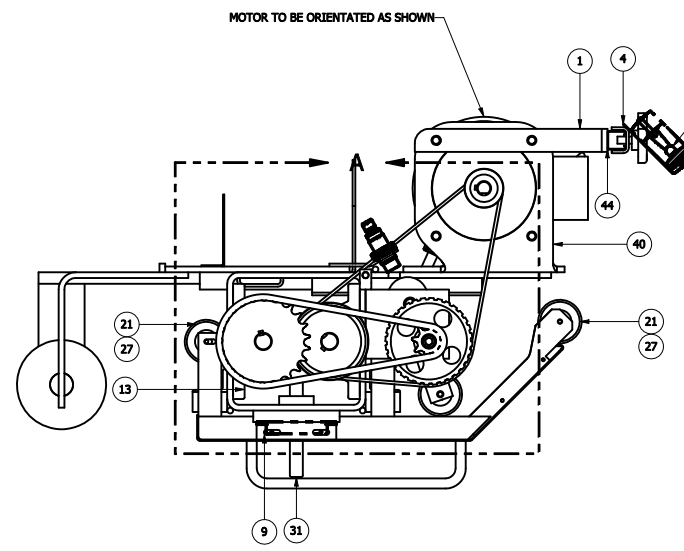


Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0258099	20 to 90 DEG ROLLER JOINT
2	1	0258099-2	ROLLER MOUNT R/ JOINT
3	1	0258101	CARRIAGE PRX MOUNT
4	1	0258829	SLOTTED ROLLER MOUNT
5	1	0258838	LOW WRAP SPACER
6	1	0278391	PHOTOCELL HOLDER
7	1	0283554	BACK PLATE SWITCH MOUNT
8	1	0283560	SICK DOOR MOUNT
9	1	0281989	CABLE MOUNTING BRACKET
10	1	0283365	30 IN CARRIAGE BACK PLATE WELDMENT
11	1	0283376	30" CARRIAGE DUAL PROX MOUNT (30mm)
12	1	010047	SPRG (CI) 0.75 ODx0.08 WIREx4.50L
13	1	010092	MSCE (CART ITEM) KNOB WITHTHREADED BLIND HOLE, 5PTS STAR 3/8-16UNC 3/4 STUD
14	1	011151	VGS BELT Gear Belt 3/8" Pitch x 3/4" Wide x 28.50
15	4	011192	VGS BRG IPTCI UCP 204-12Bearing, Pillow Block, 3/4" Bore
16	1	013397	VGS CAN Chain Roller #40 (44 Links+C/L)
17	2	013860	RR TRUARC 5105-00 EXT 1" SELF SEATING
18	1	013995	HDWSS (CI)Type 302 Stainless Steel, 1-1/2" Length, 3/8" OD
19	2	014247	VGS Flange Bushing 7/16 ID X 9/16 OD X 1/2 LG
20	1	014458	VGS Spring Pin Slotted, 3/16 x 1" LG
21	3	014502	HDW (CART ITEM) FASTENAL 10034-12836 GROMMET 3/8" ID X 1/4" GRV X 1/2" GRV ID
22	1	016188	VGS FASTENAL 0166626 EXTENSION SPRING #75 0.75 OD, 0.062 Wire, 4.5 Overall
23	3	017687	ROLLER AL 30"
24	1	094554	EM BALDOR VM3546 1.00 HP 56C
25	1	097921	HDW (CI) 3/16" O.D. Rubber Vacuum Cap
26	1	097973	HDW (CI) A86-6A BLIND RVT PKG
27	2	409469	HVF CRADLE ROLLER OPENING LOCK
28	1	413744	HVF PROX SENSOR CAM
29	3	414385	HVF IDLE ROLLER SHAFT - 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	FLX CONV ROLLER, RUBBER #2 30" - SHORT
33	1	430053	VGS HVF LATCH
34	1	430054	ASSY HINGE CRADLE ROLLER
35	1	431477	HVF GEARBELT PULLEY 12L075
36	1	431672	HVF GEARBELT PULLEY 26L075
37	1	431737	BOTTOM MANDREL
38	1	432322	HVF BOTTOM SPOOL WASHER
39	2	432323	HVF SPOOL, PLASTIC
40	1	434017	FLX SPRK 4088/32L075 WELDMENT
41	1	434077	VGS HVF Top Mandrel (FLR)
42	1	435715	FLX SPROCKET 40B24 SPECIAL
43	1	442415	MOTOR BRACKET BASE PLATE (FLR)
44	1	450525	INSTA THREAD CARRIAGE ABS COVER
45	1	450578	CRADLE ROLLER SHELL WELDING
46	1	450741	DANCER ROLLER ASSY -30
47	1	452729	VGS HVF Photo High Channel
48	1	433629	FLX HVF TENSION SCREW

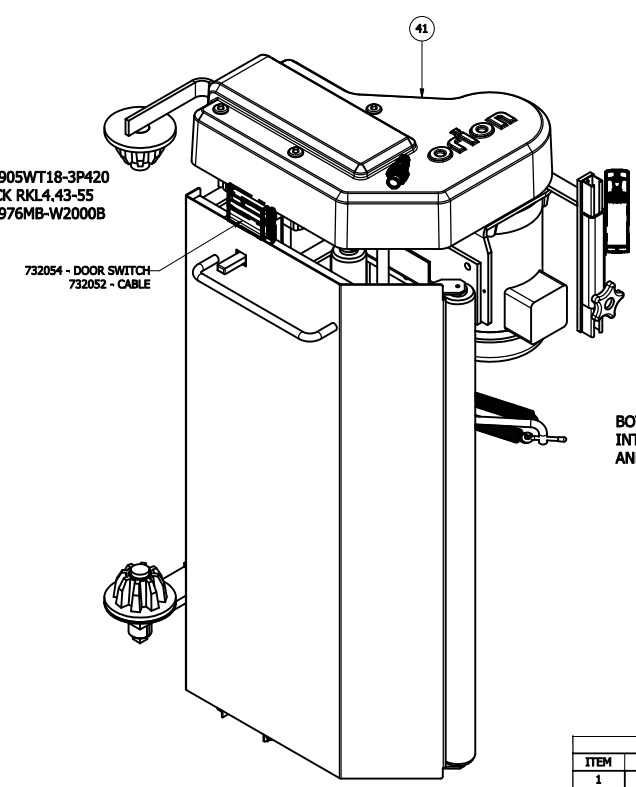
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CHECKED			
APPROVED		THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION	
Tolerances Unless Noted		TITLE	
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	CARRIAGE 30FL-ULW-260
SCALE	SURFACE AREA	DWG NO	FINISH
REMOVE ALL BURRS AND SHARP EDGES		0283381	



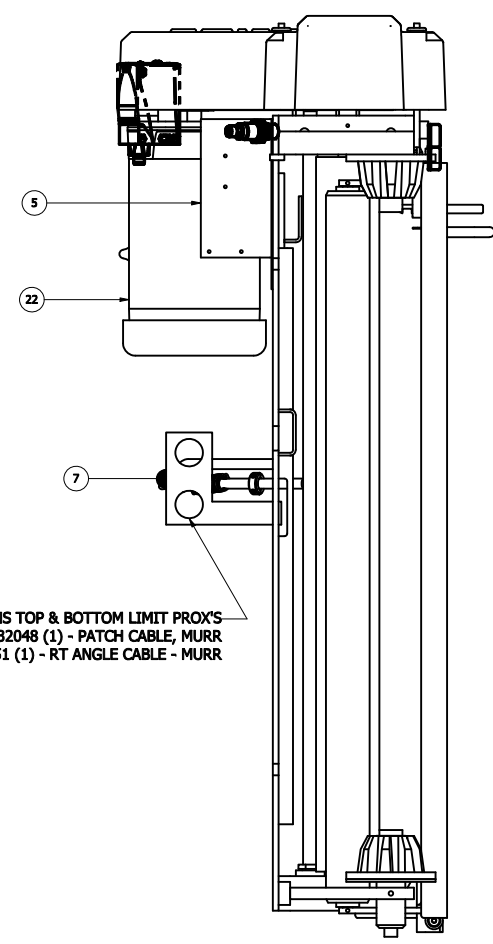
DETAIL A
SCALE 3/8



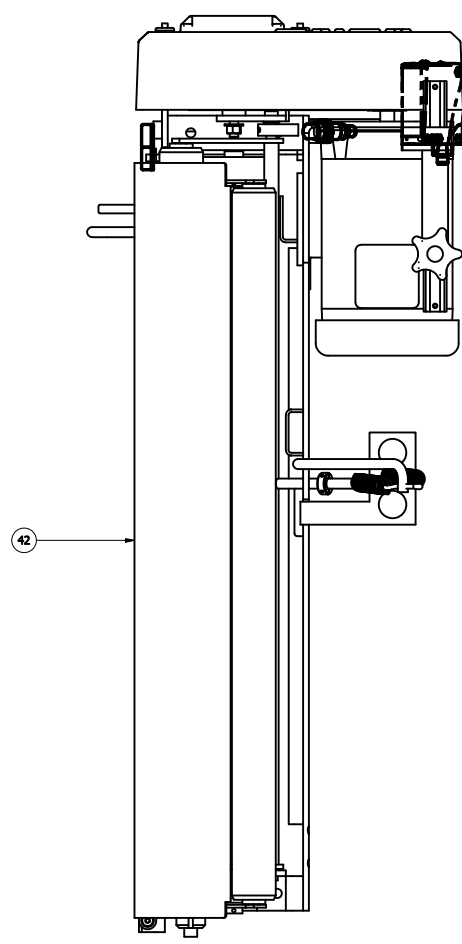
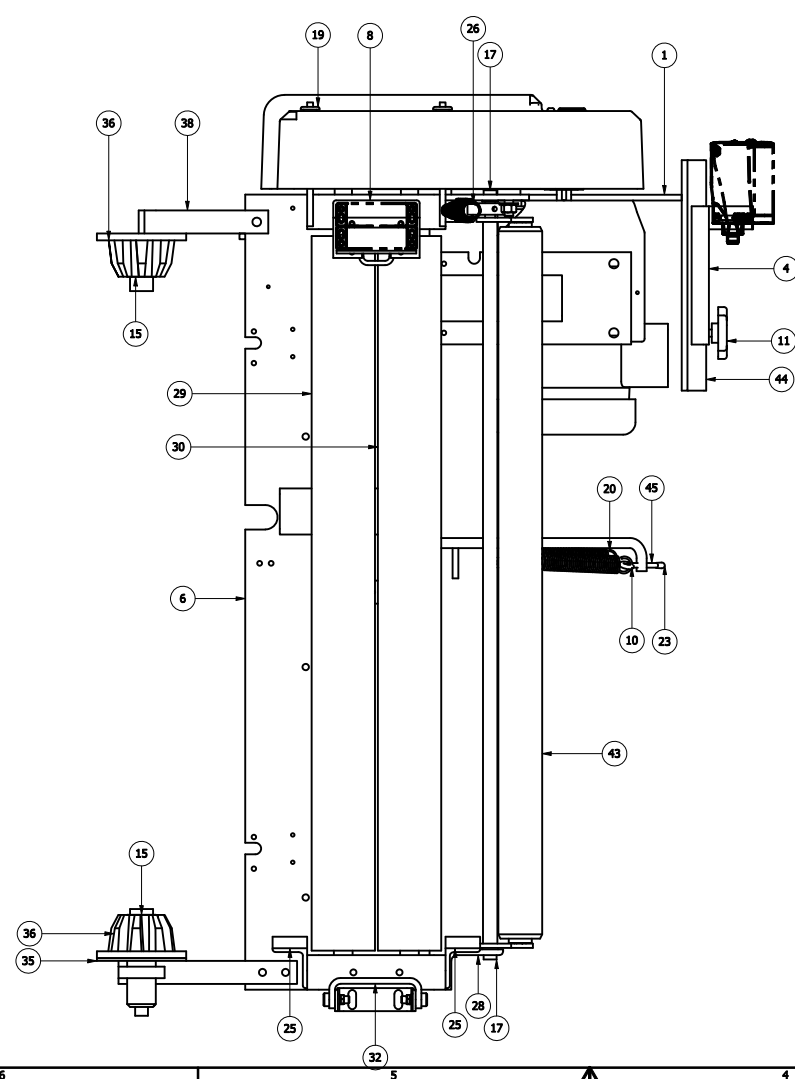
729603 - SENS 1025905WT18-3P420
729580 - SENS TURCK RKL4.43-55
716301 - SENS 7022976MB-W2000B



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

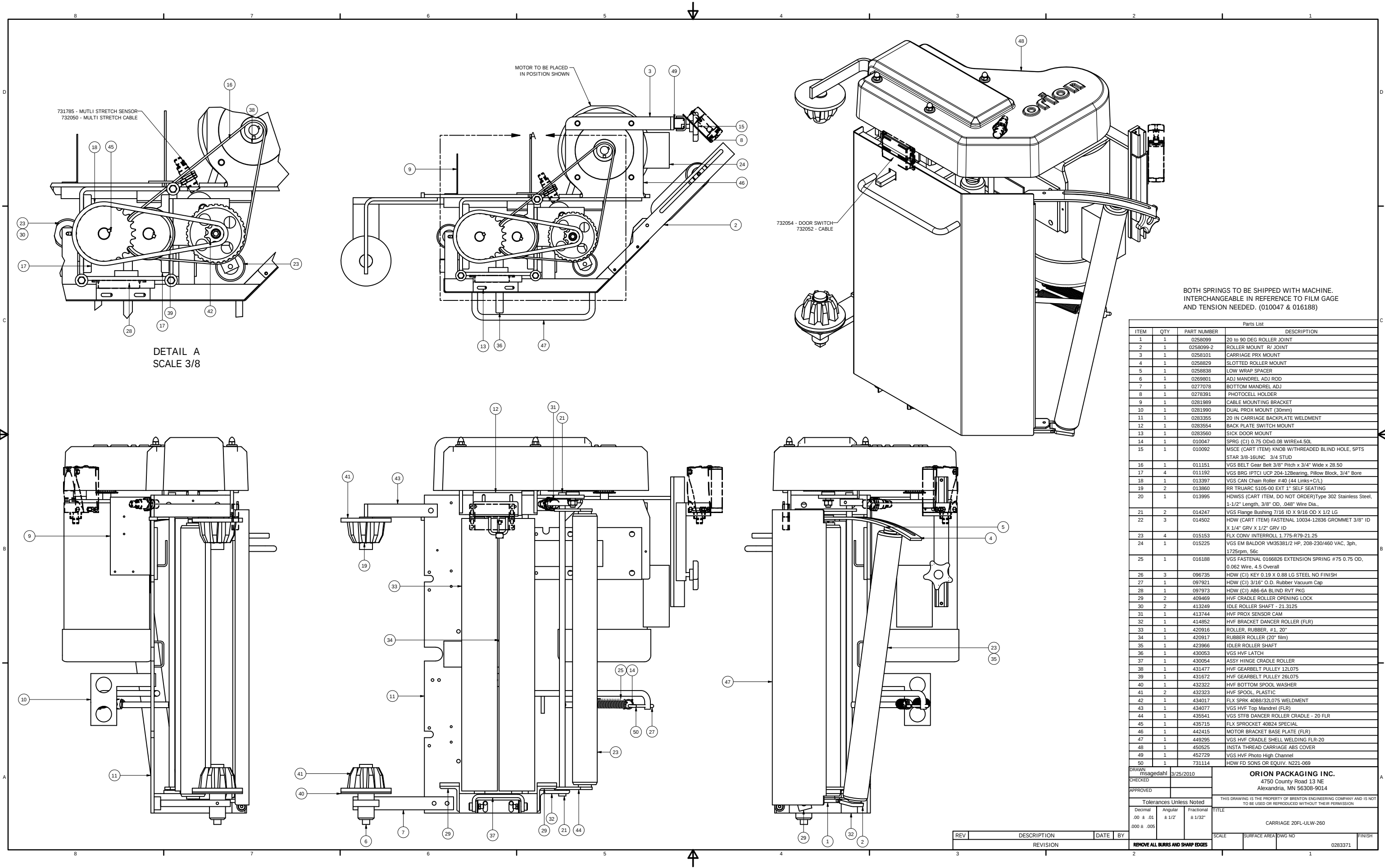


Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0258101	CARRIAGE PRX MOUNT
2	1	0269801	ADJ MANDREL ADJ ROD
3	1	0277078	BOTTOM MANDREL ADJ
4	1	0278391	PHOTOCELL HOLDER
5	1	0281989	CABLE MOUNTING BRACKET
6	1	0283365	30 IN CARRIAGE BACK PLATE WELDMENT
7	1	0283376	30" CARRIAGE DUAL PROX MOUNT (30mm)
8	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, SPTS 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 TRIARC 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 0166626 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) A86-6A 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 4088/32L075 WELDMENT
38	1	434077	VGS HVF Top Mandrel (FLR)
39	1	435715	FLX SPROCKET 40824 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 ROLL ASSY -30
44	1	452729	VGS HVF Photo High Channel
45	1	731114	HDW FD SONS OR EQUIV. N221-069

DRAWN msagedahl 4/1/2010		ORION PACKAGING INC. 4750 County Road 13 NE Alexandria, MN 56308-9014	
CHECKED		THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION	
APPROVED		Tolerances Unless Noted	
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	TITLE CARRIAGE 30FL-260
SCALE	SURFACE AREA (DWG NO)	FINISH	0283380
REMOVE ALL BURRS AND SHARP EDGES			

REV	DESCRIPTION	DATE	BY
	REVISION		

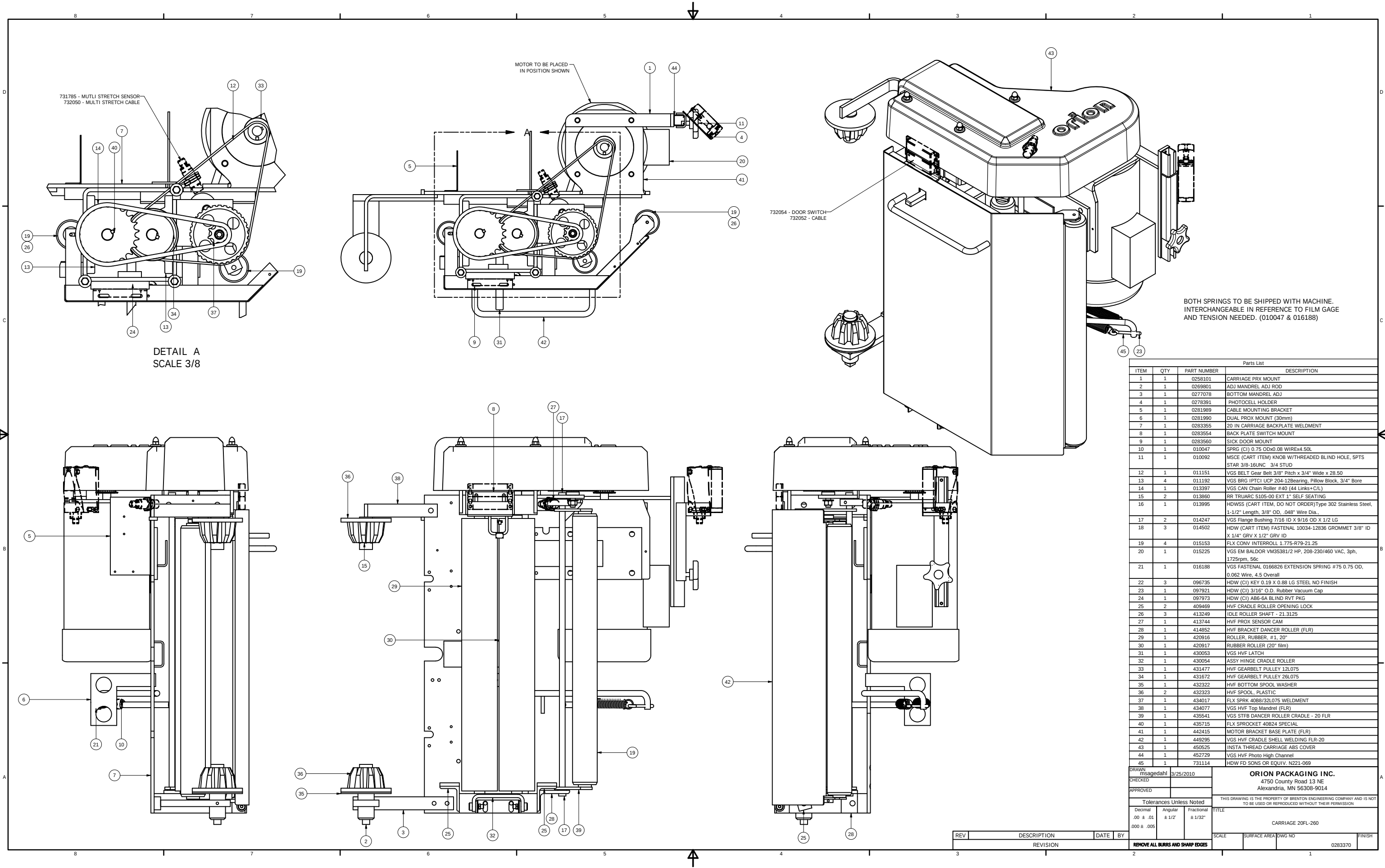
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0258101	CARRIAGE PRX MOUNT
2	1	0269801	ADJ MANDREL ADJ ROD
3	1	0277078	BOTTOM MANDREL ADJ
4	1	0278391	PHOTOCELL HOLDER
5	1	0281989	CABLE MOUNTING BRACKET
6	1	0283365	30 IN CARRIAGE BACK PLATE WELDMENT
7	1	0283376	30" CARRIAGE DUAL PROX MOUNT (30mm)
8	1	0283554	BACK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

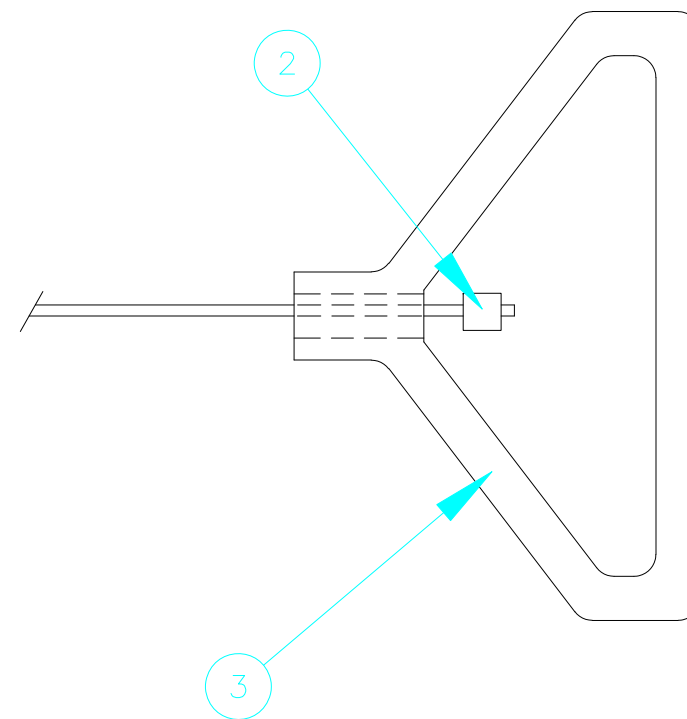
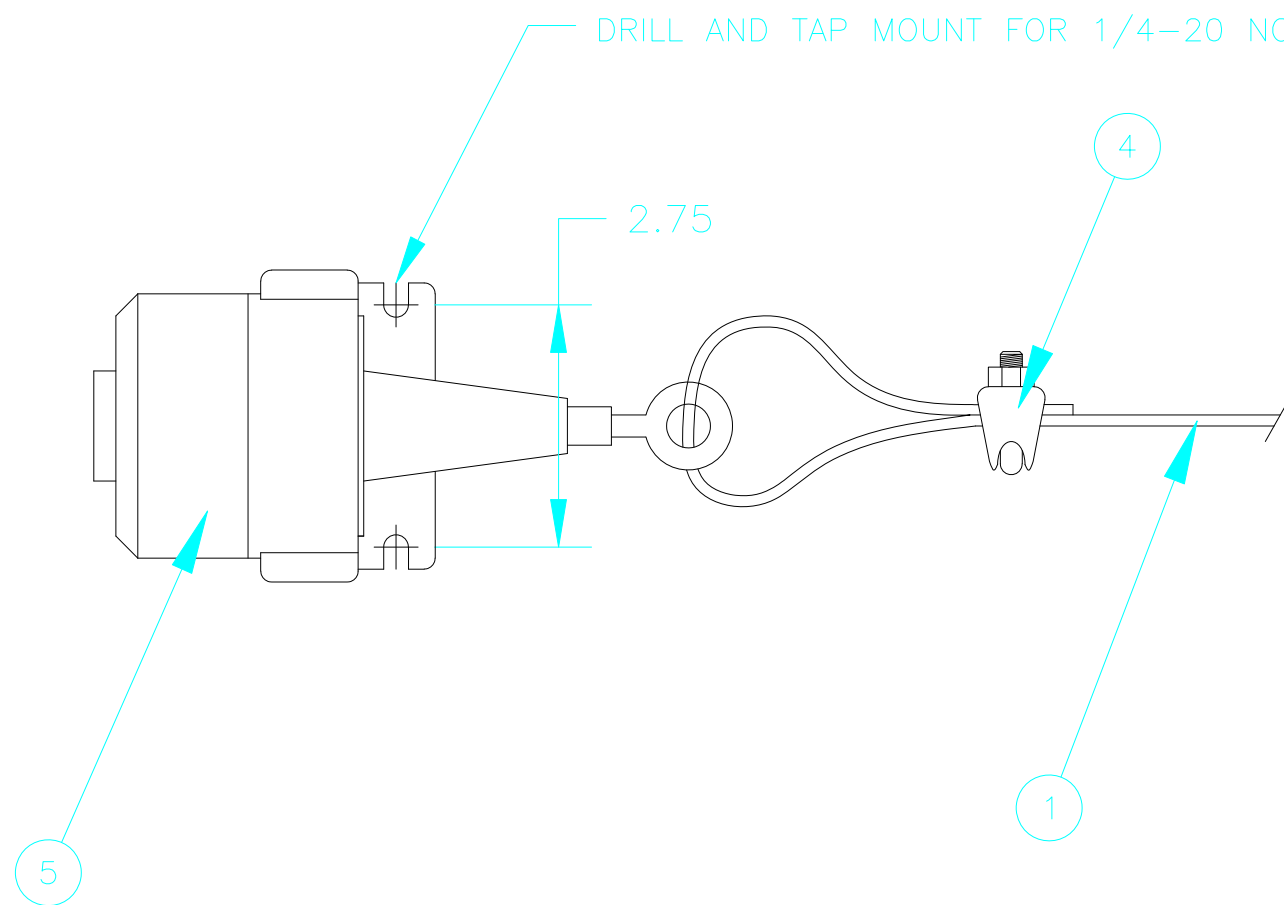


BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE IN REFERENCE TO FILM GAGE
AND TENSION NEEDED. (010047 & 016188)

Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	0258099	20 to 90 DEG ROLLER JOINT	
2	1	0258099-2	ROLLER MOUNT R/ JOINT	
3	1	0258101	CARRIAGE PRX MOUNT	
4	1	0258829	SLOTTED ROLLER MOUNT	
5	1	0258838	LOW WRAP SPACER	
6	1	0269801	ADJ MANDREL ADJ ROD	
7	1	0277078	BOTTOM MANDREL ADJ	
8	1	0278391	PHOTOCELL HOLDER	
9	1	0281989	CABLE MOUNTING BRACKET	
10	1	0281990	DUAL PROX MOUNT (30mm)	
11	1	0283355	20 IN CARRIAGE BACKPLATE WELDMENT	
12	1	0283554	BACK PLATE SWITCH MOUNT	
13	1	0283560	SICK DOOR MOUNT	
14	1	010047	SPRG (CI) 0.75 ODx0.08 WIREx4.50L	
15	1	010092	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC. 3/4 STUD	
16	1	011151	VGS BELT Gear Belt 3/8" Pitch x 3/4" Wide x 28.50	
17	4	011192	VGS BRG IPTCI UCP 204-12Bearing, Pillow Block, 3/4" Bore	
18	1	013397	VGS CAN Chain Roller #40 (44 Links+C/L)	
19	2	013860	RR TRUARC 5105-00 EXT 1" SELF SEATING	
20	1	013995	HDWSS (CART ITEM, DO NOT ORDER)Type 302 Stainless Steel, 1-1/2" Length, 3/8" OD, .048" Wire Dia., 1725rpm, 56c	
21	2	014247	VGS Flange Bushing 7/16 ID X 9/16 OD X 1/2 LG	
22	3	014502	HDW (CART ITEM) FASTENAL 10034-12836 GROMMET 3/8" ID X 1/4" GRV X 1/2" GRV ID	
23	4	015153	FLX CONV INTERROLL 1.775-R79-21.25	
24	1	015225	VGS EM BALDOR VM35381/2 HP, 208-230/460 VAC, 3ph, 1725rpm, 56c	
25	1	016188	VGS FASTENAL 0166826 EXTENSION SPRING #75 0.75 OD, 0.062 Wire, 4.5 Overall	
26	3	096735	HDW (CI) KEY 0.19 X 0.88 LG STEEL NO FINISH	
27	1	097921	HDW (CI) 3/16" O.D. Rubber Vacuum Cap	
28	1	097973	HDW (CI) A86-6A BLIND RVT PKG	
29	2	409469	HVF CRADLE ROLLER OPENING LOCK	
30	2	413249	IDLE ROLLER SHAFT - 21.3125	
31	1	413744	HVF PROX SENSOR CAM	
32	1	414852	HVF BRACKET DANCER ROLLER (FLR)	
33	1	420916	ROLLER, RUBBER, #1, 20"	
34	1	420917	RUBBER ROLLER (20" film)	
35	1	423966	IDLER ROLLER SHAFT	
36	1	430053	VGS HVF LATCH	
37	1	430054	ASSY HINGE CRADLE ROLLER	
38	1	431477	HVF GEARBELT PULLEY 12L075	
39	1	431672	HVF GEARBELT PULLEY 26L075	
40	1	432322	HVF BOTTOM SPOOL WASHER	
41	2	432323	HVF SPOOL, PLASTIC	
42	1	434017	FLX SPRK 40B8/32L075 WELDMENT	
43	1	434077	VGS HVF Top Mandrel (FLR)	
44	1	435541	VGS STFB DANCER ROLLER CRADLE - 20 FLR	
45	1	435715	FLX SPROCKET 40B24 SPECIAL	
46	1	442415	MOTOR BRACKET BASE PLATE (FLR)	
47	1	449295	VGS HVF CRADLE SHELL WELDING FLR-20	
48	1	450525	INSTA THREAD CARRIAGE ABS COVER	
49	1	452729	VGS HVF Photo High Channel	
50	1	731114	HDW FD SONS OR EQUIV. N221-069	

DRAWN	msagedahl	3/25/2010	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	Angular	Fractional	TITLE	
.00 ± .01	± 1/2°	± 1/32"	CARRIAGE 20FL-ULW-260	
.000 ± .005			SCALE	SURFACE AREA DWG NO
REMOVE ALL BURRS AND SHARP EDGES				0283371
			FINISH	





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

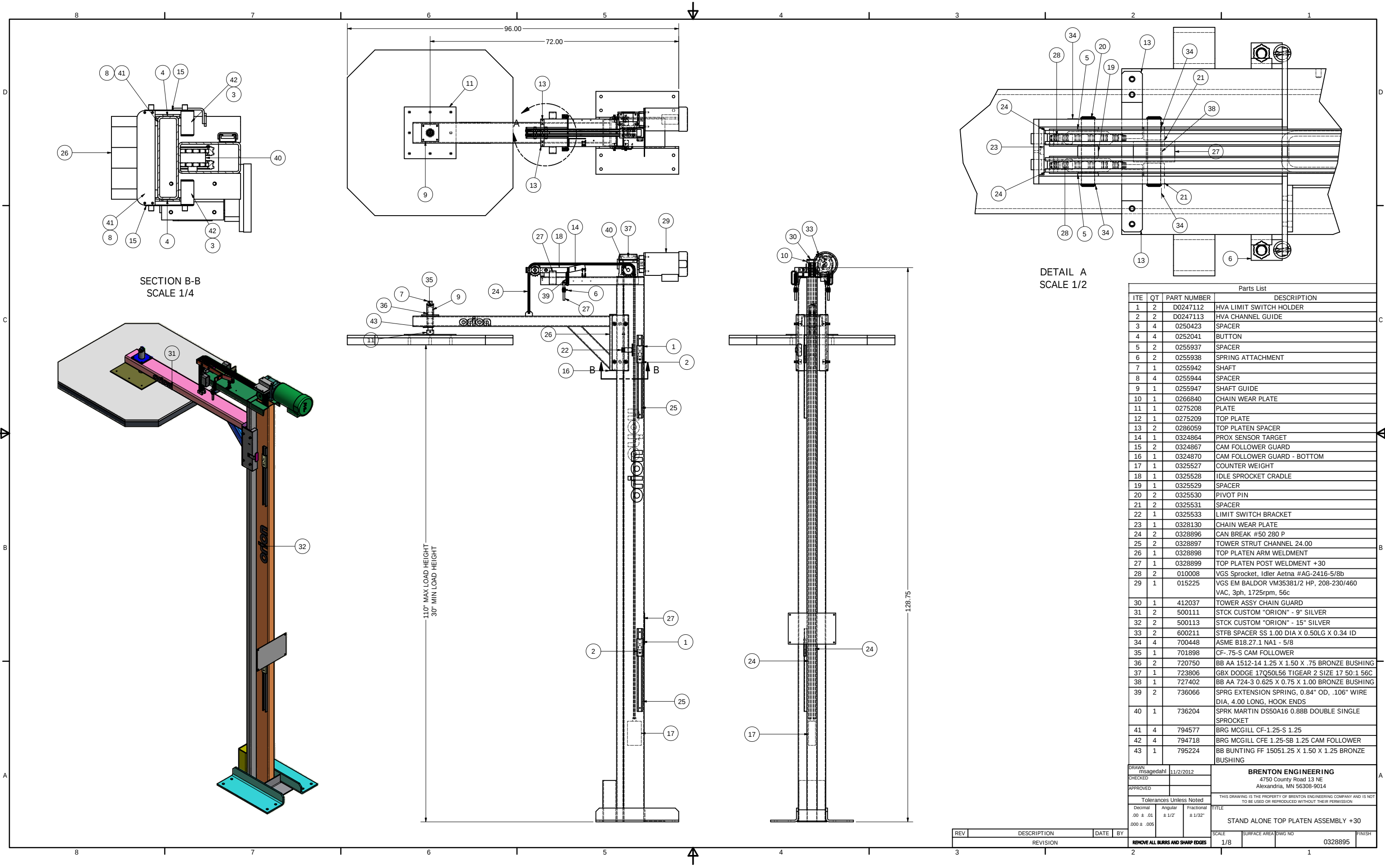
NOTE: CUT CABLE TO LENGTH
AFTER MOUNTING SWITCH AT
INSTALL, THEN SECURE CABLE
CLAMP.

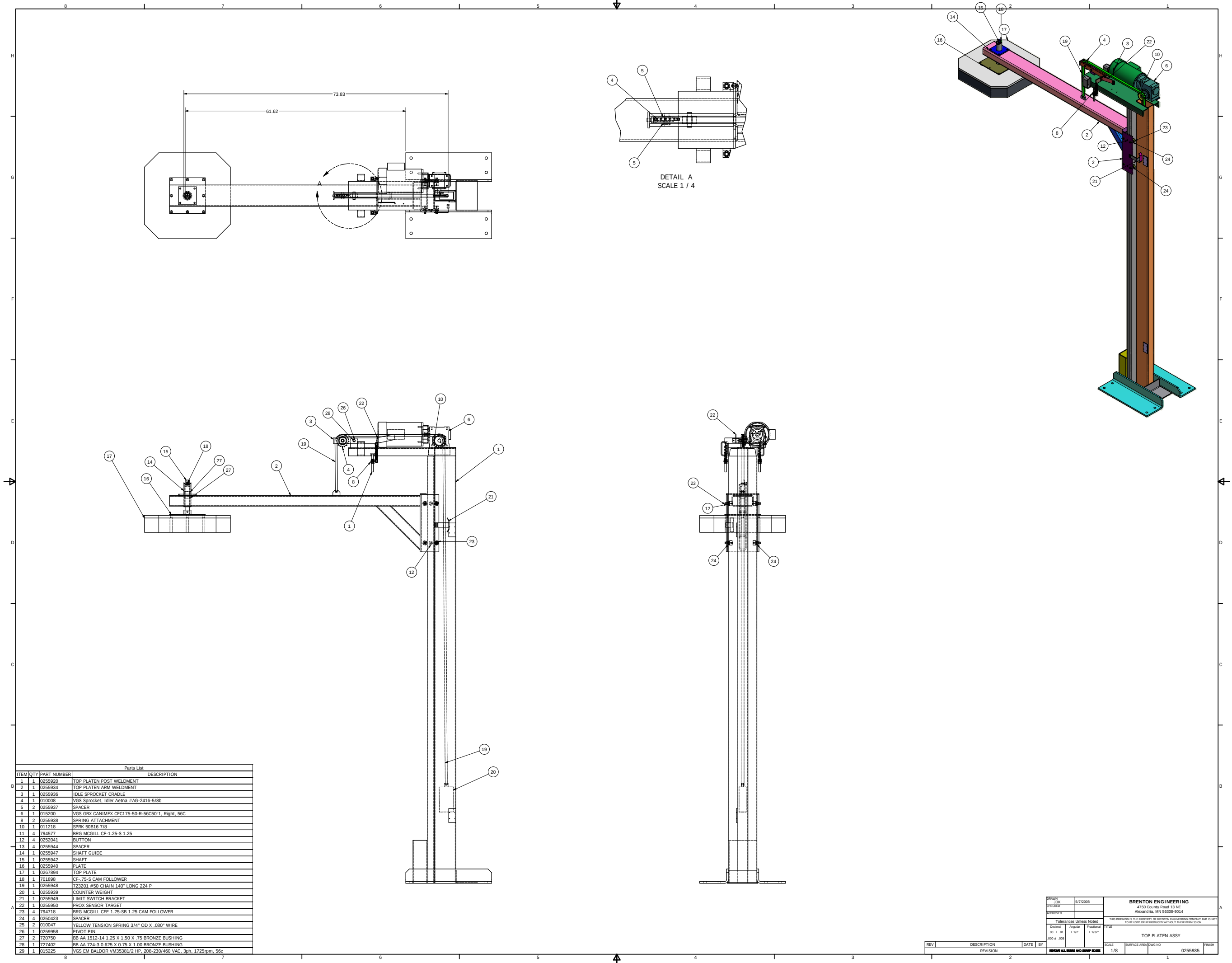
1	727766	1	EA	MISC MCMASTER 9018T11-RED-251/8" WIRE ROPER W/RED VINYL COATING 25 FT SECTION
2	727767	1	EA	MISC MCMASTER 3914T3STOP COLLAR FOR 1/8" WIRE ROPE (PKG OF 50)
3	727769	1	EA	MISC MFGSUPPLY.COM 25-7723LANYARD PULL HANDLE
4	727798	1	EA	MISC MCMASTER 30325T26WIRE ROPE CLIP 1/8"
5	017065	1	EA	VGS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

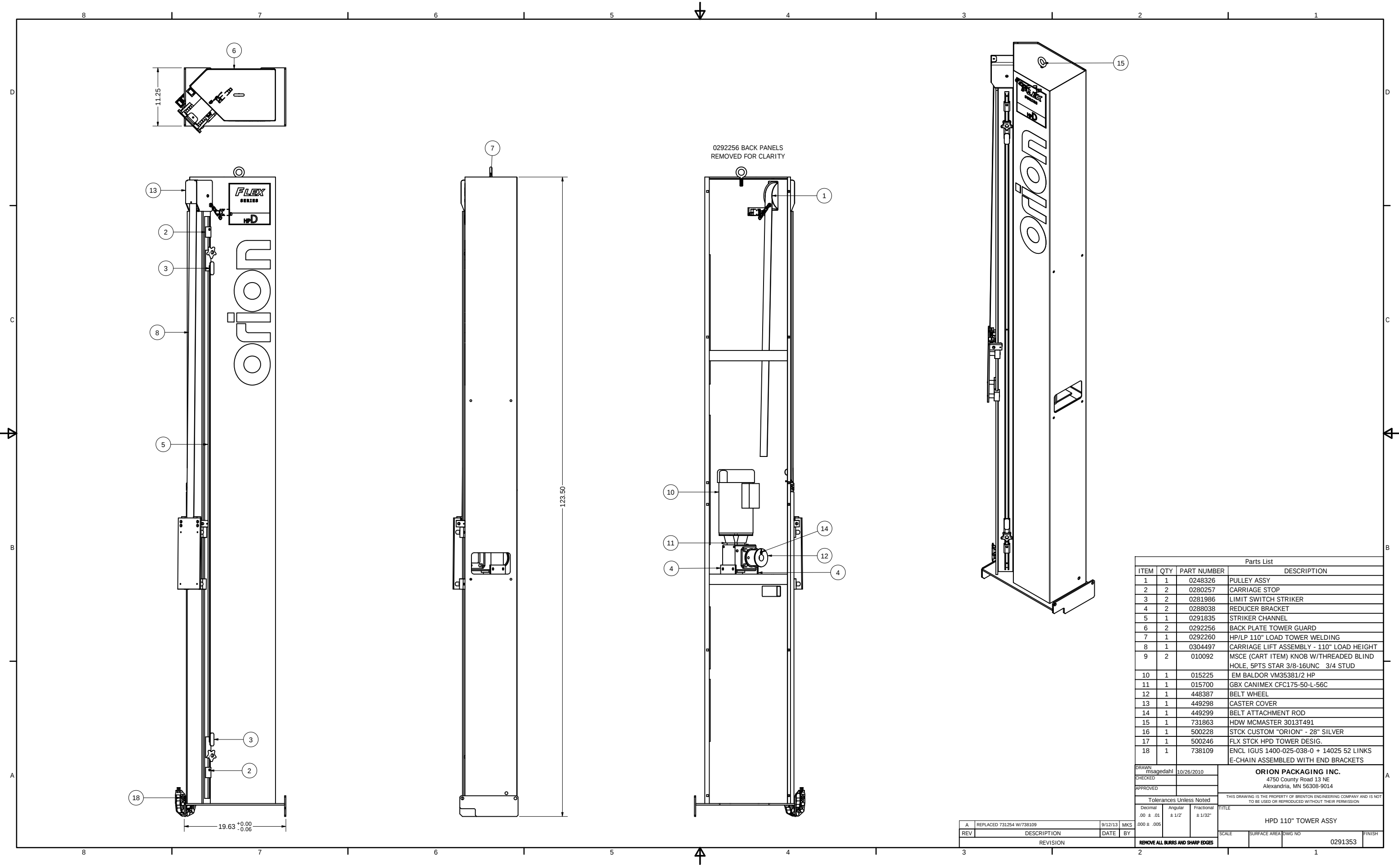
THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION				
Tolerances Unless Noted		 4750 County Road 13 NE Alexandria, MN 56308-9014		
DECIMAL .00 ± .01 .000 ± .005		KIT REMOTE LANYARD		
FRACTIONAL ±1/32"		DRAWN BY: jnori	APPROVED BY:	SCALE: 1/2=1
ANGULAR ± 1/2°		Finish:	REMOVE ALL BURRS AND SHARP EDGES	DATE: 1/15/08
Drawing No: D0244789				

No.	ECO #	Description	Date	By
REVISION				

Surface Area:



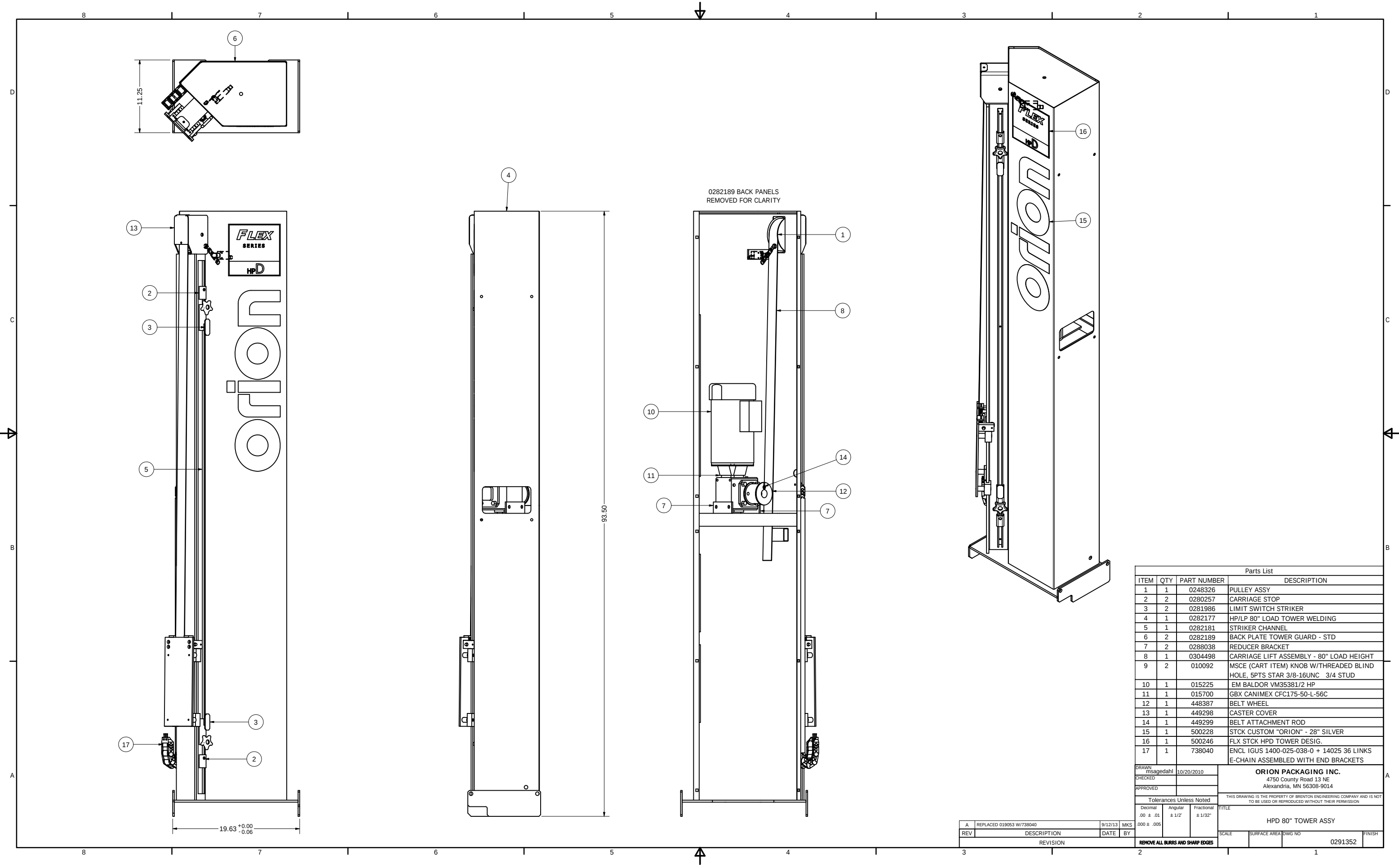




Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0248326	PULLEY ASSY
2	2	0280257	CARRIAGE STOP
3	2	0281986	LIMIT SWITCH STRIKER
4	2	0288038	REDUCER BRACKET
5	1	0291835	STRIKER CHANNEL
6	2	0292256	BACK PLATE TOWER GUARD
7	1	0292260	HP/LP 110" LOAD TOWER WELDING
8	1	0304497	CARRIAGE LIFT ASSEMBLY - 110" LOAD HEIGHT
9	2	010092	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC 3/4 STUD
10	1	015225	EM BALDOR VM35381/2 HP
11	1	015700	GBX CANIMEX CFC175-50-L-56C
12	1	448387	BELT WHEEL
13	1	449298	CASTER COVER
14	1	449299	BELT ATTACHMENT ROD
15	1	731863	HDW MCMASTER 3013T491
16	1	500228	STCK CUSTOM "ORION" - 28" SILVER
17	1	500246	FLX STCK HPD TOWER DESIG.
18	1	738109	ENCL IGUS 1400-025-038-0 + 14025 52 LINKS E-CHAIN ASSEMBLED WITH END BRACKETS

DRAWN	msagedahl		10/26/2010		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 HPD 110" TOWER ASSY			
REMOVE ALL BURRS AND SHARP EDGES			SCALE	SURFACE AREA	DWG NO	FINISH
					0291353	

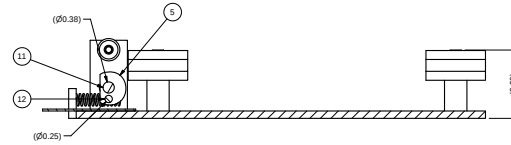
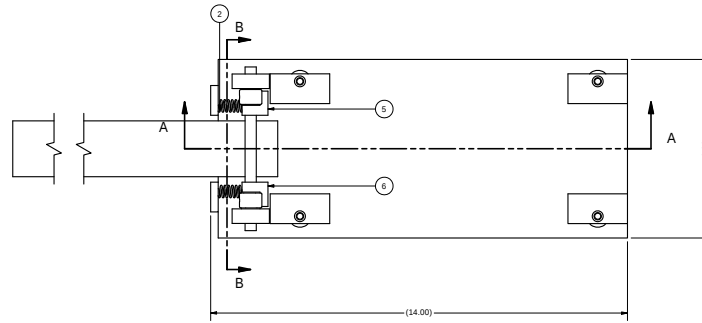
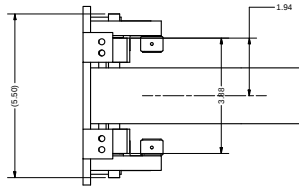
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REV	DESCRIPTION	DATE	BY
REVISION			



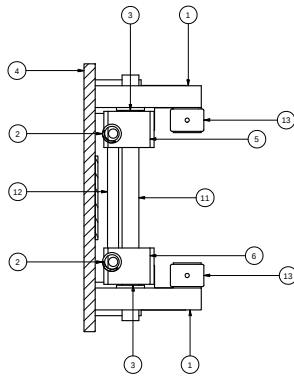
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REV	DESCRIPTION	DATE	BY
REVISION			

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	HP/LP 80" LOAD TOWER WELDING
5	1	0282181	STRIKER CHANNEL
6	2	0282189	BACK PLATE TOWER GUARD - STD
7	2	0288038	REDUCER BRACKET
8	1	0304498	CARRIAGE LIFT ASSEMBLY - 80" LOAD HEIGHT
9	2	010092	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC 3/4 STUD
10	1	015225	EM BALDOR VM35381/2 HP
11	1	015700	GBX CANIMEX CFC175-50-L-56C
12	1	448387	BELT WHEEL
13	1	449298	CASTER COVER
14	1	449299	BELT ATTACHMENT ROD
15	1	500228	STCK CUSTOM "ORION" - 28" SILVER
16	1	500246	FLX STCK HPD TOWER DESIG.
17	1	738040	ENCL IGUS 1400-025-038-0 + 14025 36 LINKS E-CHAIN ASSEMBLED WITH END BRACKETS

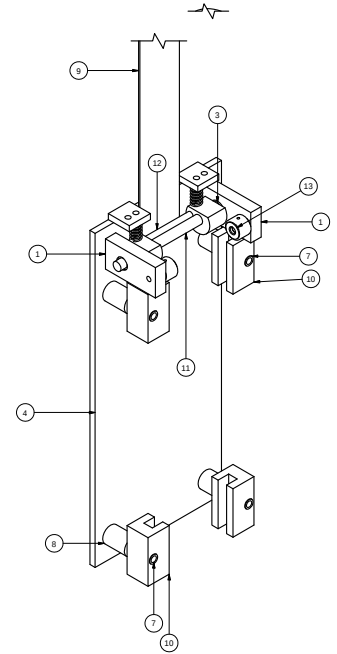
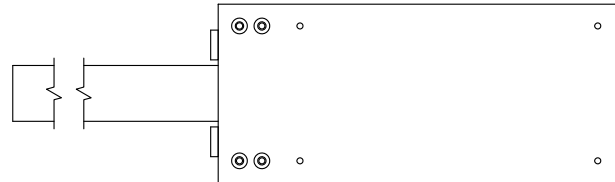
DRAWN msagedahl	10/20/2010	ORION PACKAGING INC. 4750 County Road 13 NE Alexandria, MN 56308-9014	
CHECKED			
APPROVED			
Tolerances Unless Noted		THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION	
Decimal .00 ± .01	Angular ± 1/2°	Fractional ± 1/32"	TITLE
.000 ± .005			HPD 80" TOWER ASSY
SCALE	SURFACE AREA	DWG NO	FINISH
		0291352	



SECTION A-A
SCALE 1/2



SECTION B-B
SCALE 3/4



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	0304494	ECCENTRIC BRACKET
2	2	0139905	SCWSS (CARTR ITEM) #23 Spring, 1.5" x 0.38 OD
3	2	0175900	VCS BR FS 520-5 3/8 X 1/2 X 1/2
4	1	430028	CARRIAGE ATTACHMENT BACK PLATE
5	1	430032-LH	LEFT HAND ECCENTRIC
6	1	430032-RH	RIGHT HAND ECCENTRIC
7	4	434102	SPACER 3/8 OD X 1/4 ID
8	4	434103	SPACER 3/4 OD X 1/4 ID
9	1	436474	VCS Belt,TN Webbing #8233 146"
10	4	439161	SLIDE BEARING
11	1	451730	CRS ROD 3/8" DIA
12	1	451731	CRS ROD 1/4" DIA
13	2	795609	BRG MCGILL CYR-3/4-5 0.75 CAM YOKE SEALED
DESIGNED		2/6/2012	BRENTON ENGINEERING
CHECKED			4750 County Road 13 NE
APPROVED			Alexandria, MN 56308-0114
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	FILE
± .01	± 1/2	± 1/32"	CARRIAGE LIFT ASSEMBLY - 80" LOAD HEIGHT
0.00 ± .005			SCALE SURFACE AREA DWG NO
BY: ALL RUNS AND SHAP DECS			0304498
			ISSN

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

TITLE: CARRIAGE LIFT ASSEMBLY - 80" LOAD HEIGHT

TOLERANCE SURFACE AREA DIM NO FINISH NO

0304498