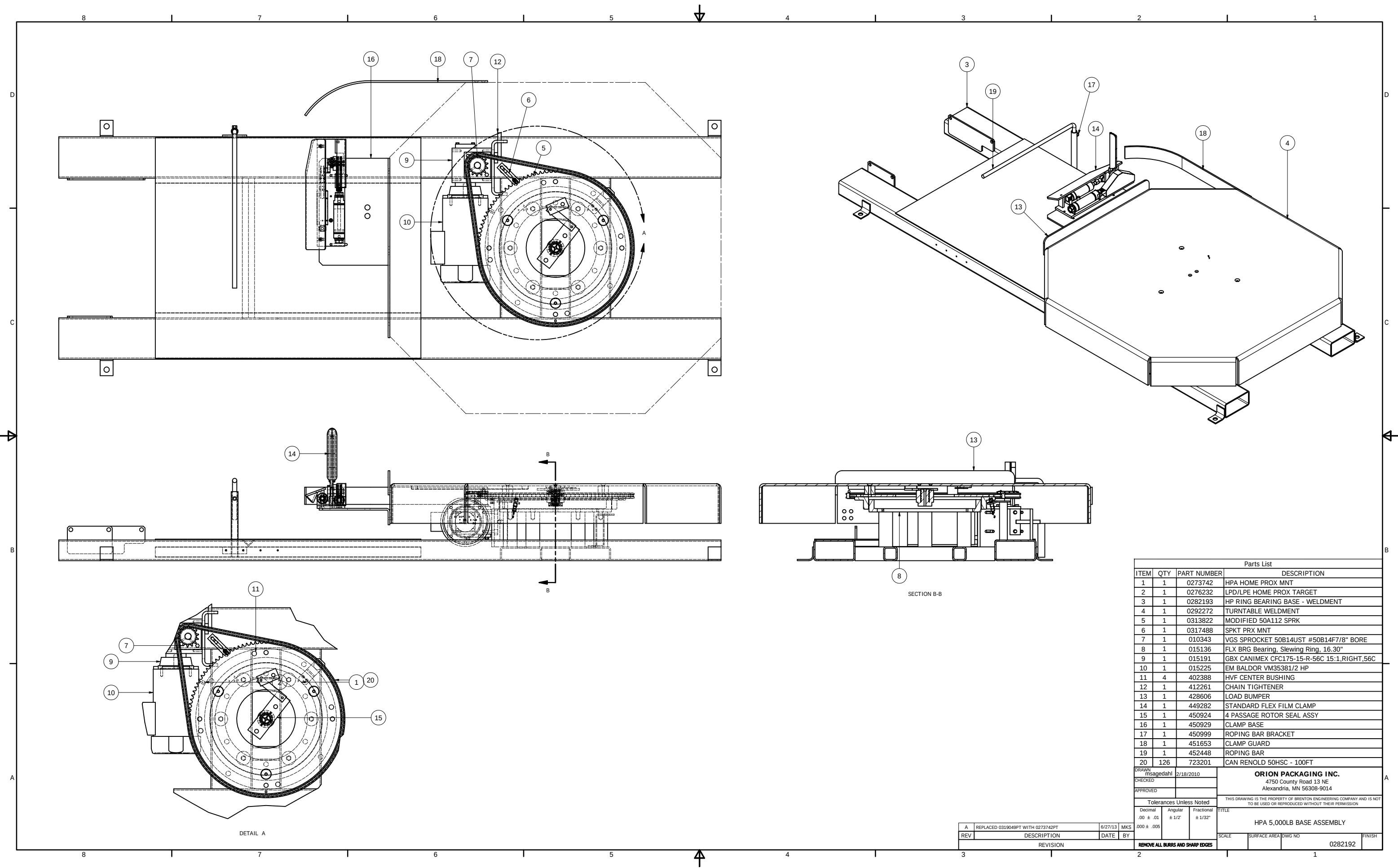
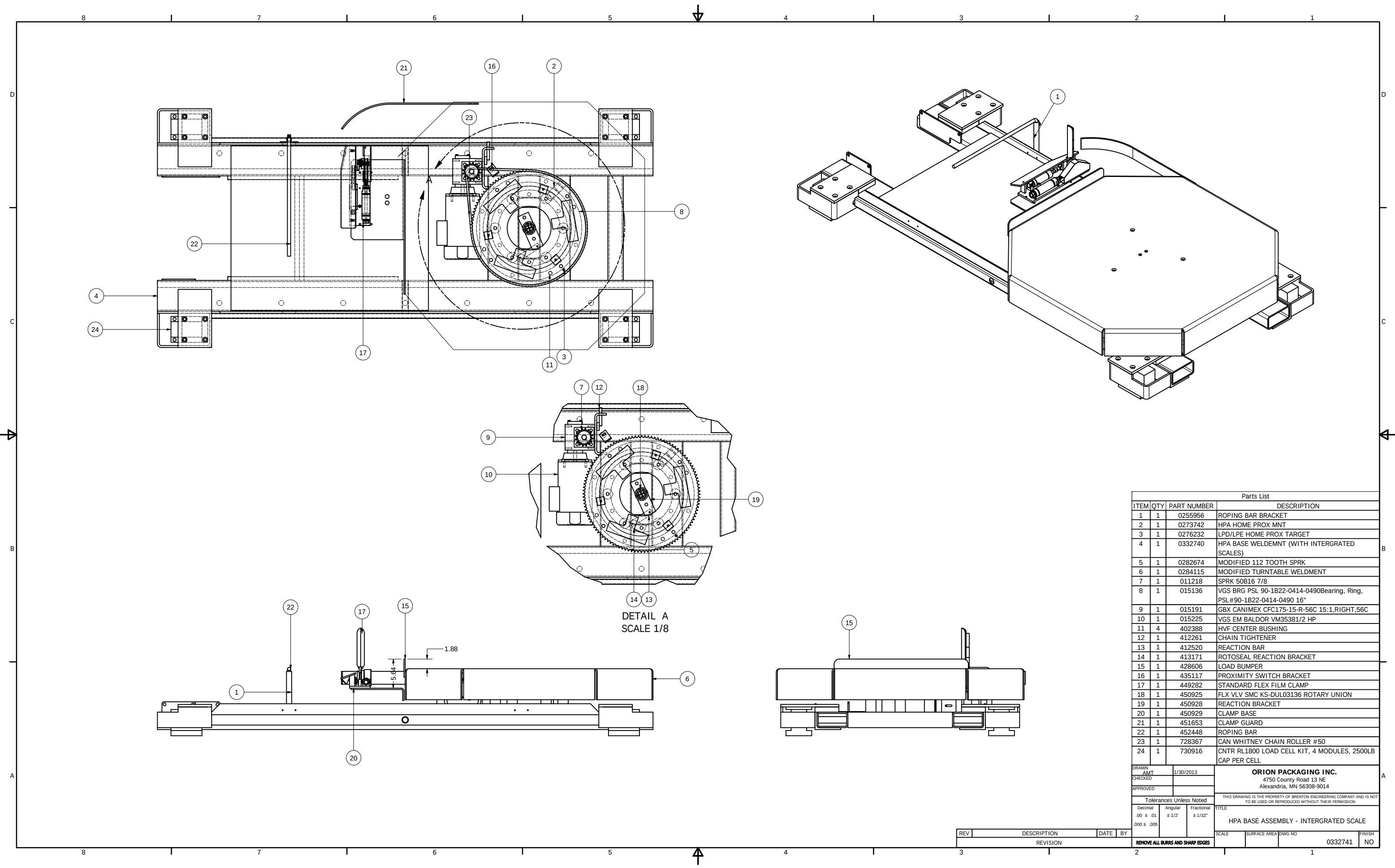




Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	0273742	HPA HOME PROX MNT	
2	1	0276232	LPD/LPE HOME PROX TARGET	
3	1	0282193	HP RING BEARING BASE - WELDMENT	
4	1	0292272	TURNTABLE WELDMENT	
5	1	0313822	MODIFIED 50A112 SPRK	
6	1	0317488	SPKT PRX MNT	
7	1	010343	VGS SPROCKET 50B14UST #50B14F7/8" BORE	
8	1	015136	FLX BRG Bearing, Slewing Ring, 16.30"	
9	1	015191	GBX CANIMEX CFC175-15-R-56C 15:1,RIGHT,56C	
10	1	015225	EM BALDOR VM35381/2 HP	
11	4	402388	HVF CENTER BUSHING	
12	1	412261	CHAIN TIGHTENER	
13	1	428606	LOAD BUMPER	
14	1	449282	STANDARD FLEX FILM CLAMP	
15	1	450924	4 PASSAGE ROTOR SEAL ASSY	
16	1	450929	CLAMP BASE	
17	1	450999	ROPING BAR BRACKET	
18	1	451653	CLAMP GUARD	
19	1	452448	ROPING BAR	
20	126	723201	CAN RENOLD 50HSC - 100FT	
DRAWN msagedahl			ORION PACKAGING INC. 4750 County Road 13 NE Alexandria, MN 56308-9014	
2/18/2010				
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 HPA 5,000LB BASE ASSEMBLY	
SCALE			SURFACE AREA	DWG NO
REMOVE ALL BURRS AND SHARP EDGES			0282192	
			FINISH	

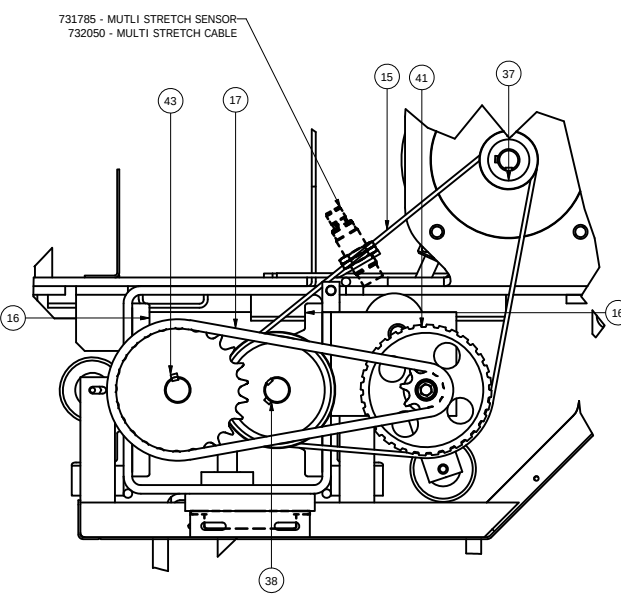


Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0255956	ROPING BAR BRACKET
2	1	0273742	HPA HOME PROX MNT
3	1	0276232	LPD/LPE HOME PROX TARGET
4	1	0332740	HPA BASE WELDEMNT (WITH INTERGATED SCALES)
5	1	0282674	MODIFIED 112 TOOTH SPRK
6	1	0284115	MODIFIED TURNTABLE WELDMENT
7	1	011218	SPRK 50B16 7/8
8	1	015136	VGS BRG PSL 90-1B22-0414-0490 Bearing, Ring, PSL#90-1B22-0414-0490 16"
9	1	015191	GBX CANIMEX CFC175-15-R-56C 15:1,RIGHT,56C
10	1	015225	VGS EM BALDOR VM35381/2 HP
11	4	402388	HVF CENTER BUSHING
12	1	412261	CHAIN TIGHTENER
13	1	412520	REACTION BAR
14	1	413171	ROTOSEAL REACTION BRACKET
15	1	428606	LOAD BUMPER
16	1	435117	PROXIMITY SWITCH BRACKET
17	1	449282	STANDARD FLEX FILM CLAMP
18	1	450925	FLX VLV SMC KS-DUL03136 ROTARY UNION
19	1	450928	REACTION BRACKET
20	1	450929	CLAMP BASE
21	1	451653	CLAMP GUARD
22	1	452448	ROPING BAR
23	1	728367	CAN WHITNEY CHAIN ROLLER #50
24	1	730916	CNTR RL1800 LOAD CELL KIT, 4 MODULES, 2500LB CAP PER CELL

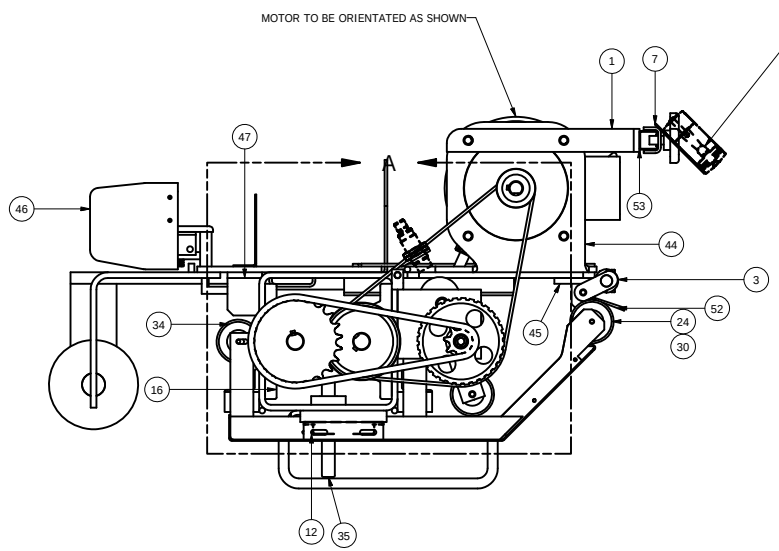
DRAWN	AMT	1/30/2013	ORION PACKAGING INC. 4750 County Road 13 NE Alexandria, MN 56308-9014	
CHECKED				
APPROVED				
Tolerances Unless Noted			THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION	
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	TITLE HPA BASE ASSEMBLY - INTERGATED SCALE	
SCALE	SURFACE AREA	DWG NO	0332741	FINISH NO

REV	DESCRIPTION	DATE	BY
	REVISION		

REMOVE ALL BURRS AND SHARP EDGES

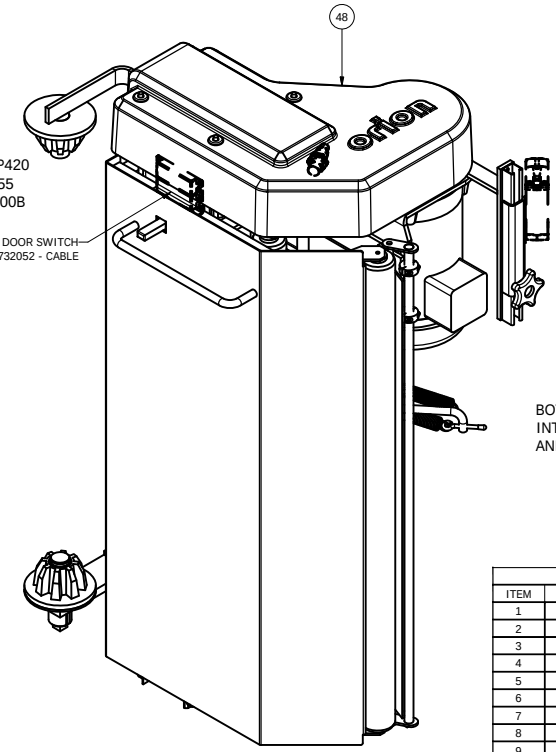


DETAIL A
SCALE 3/8



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

732054 - DOOR SWITCH
732052 - CABLE



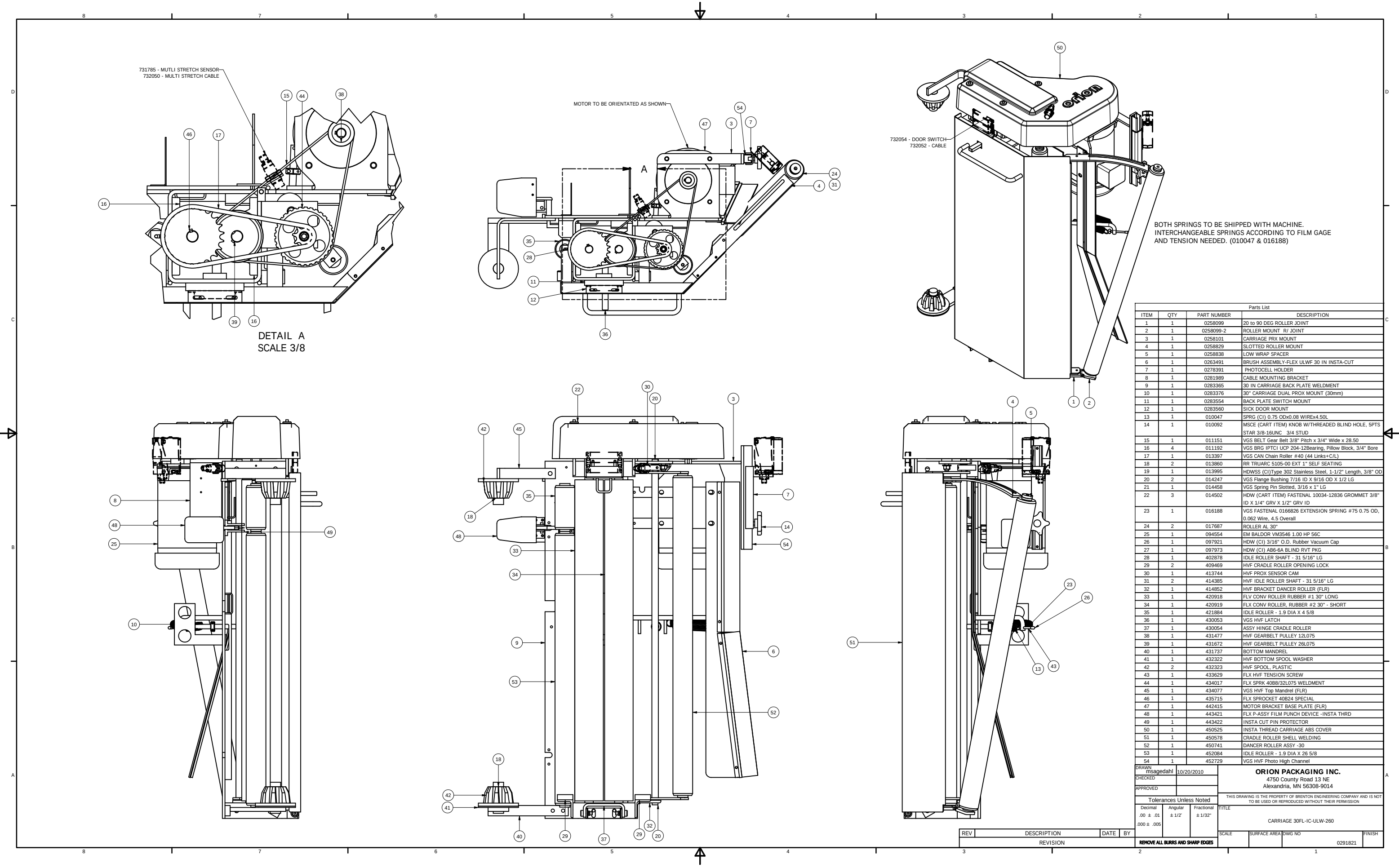
BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE SPRINGS ACCORDING TO FILM GAGE
AND TENSION NEEDED. (010047 & 016188)

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	Angular	Fractional	TITLE	
.00 ± .01	± 1/2°	± 1/32"	CARRIAGE 30FL-IC-260	
.000 ± .005			SCALE	SURFACE AREA DWG NO
REMOVE ALL BURRS AND SHARP EDGES			FINISH	
			0291827	

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

REV	DESCRIPTION	DATE	BY
REVISION			



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
msagedahl

APPROVED
msagedahl

Tolerances Unless Noted

Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"
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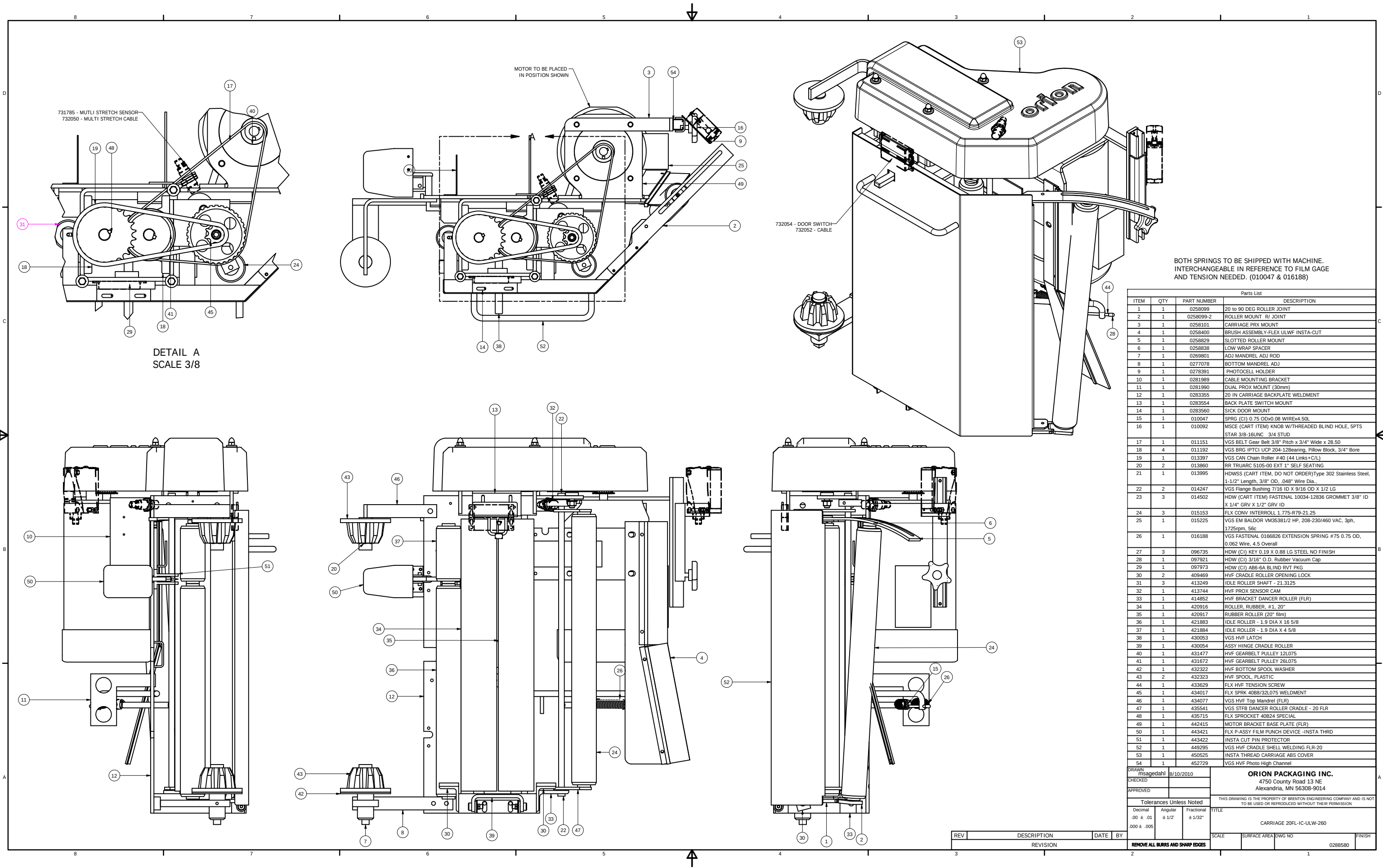
TITLE
CARRIAGE 30FL-IC-ULW-260

SCALE
SURFACE AREA
DWG NO
FINISH

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

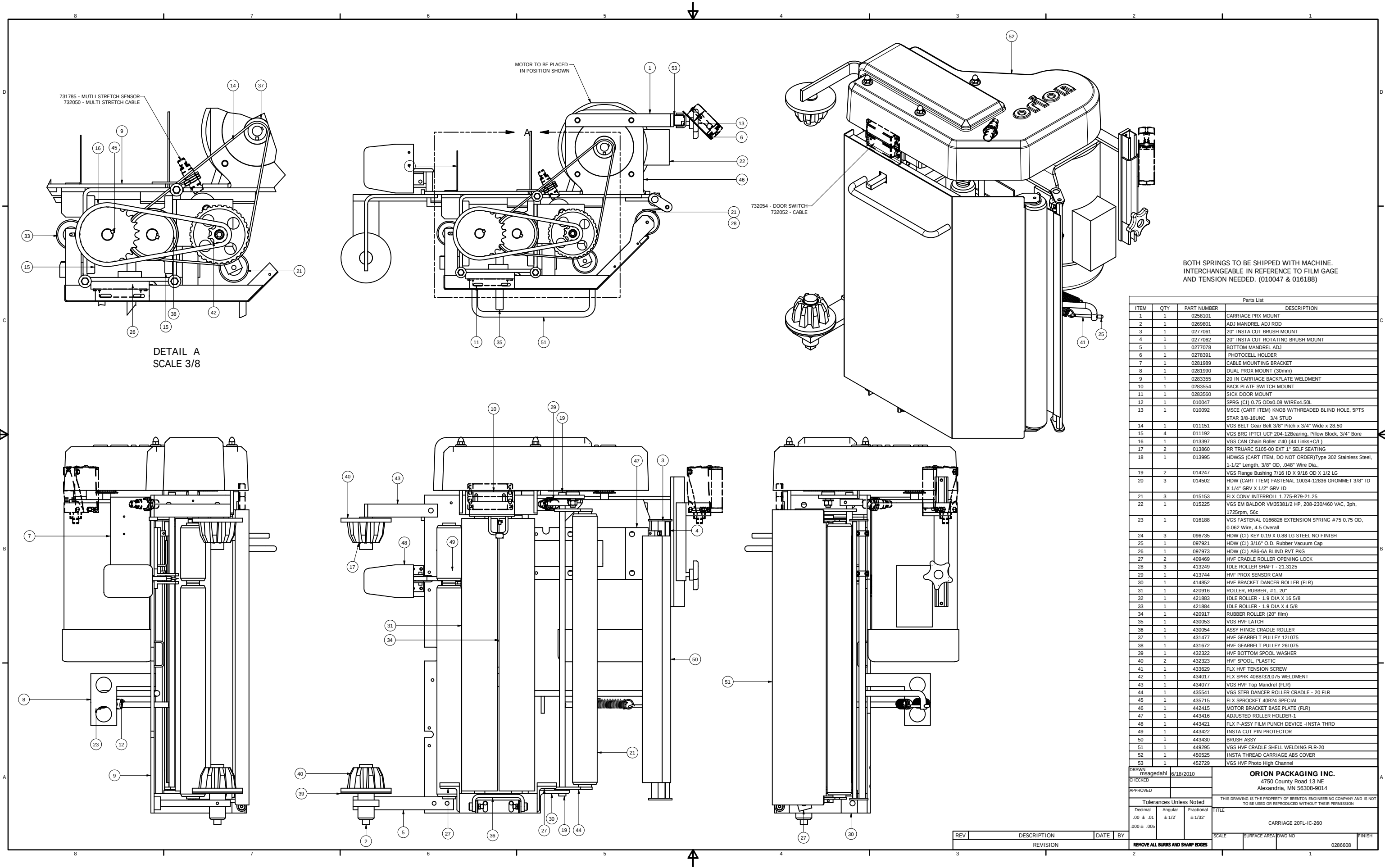
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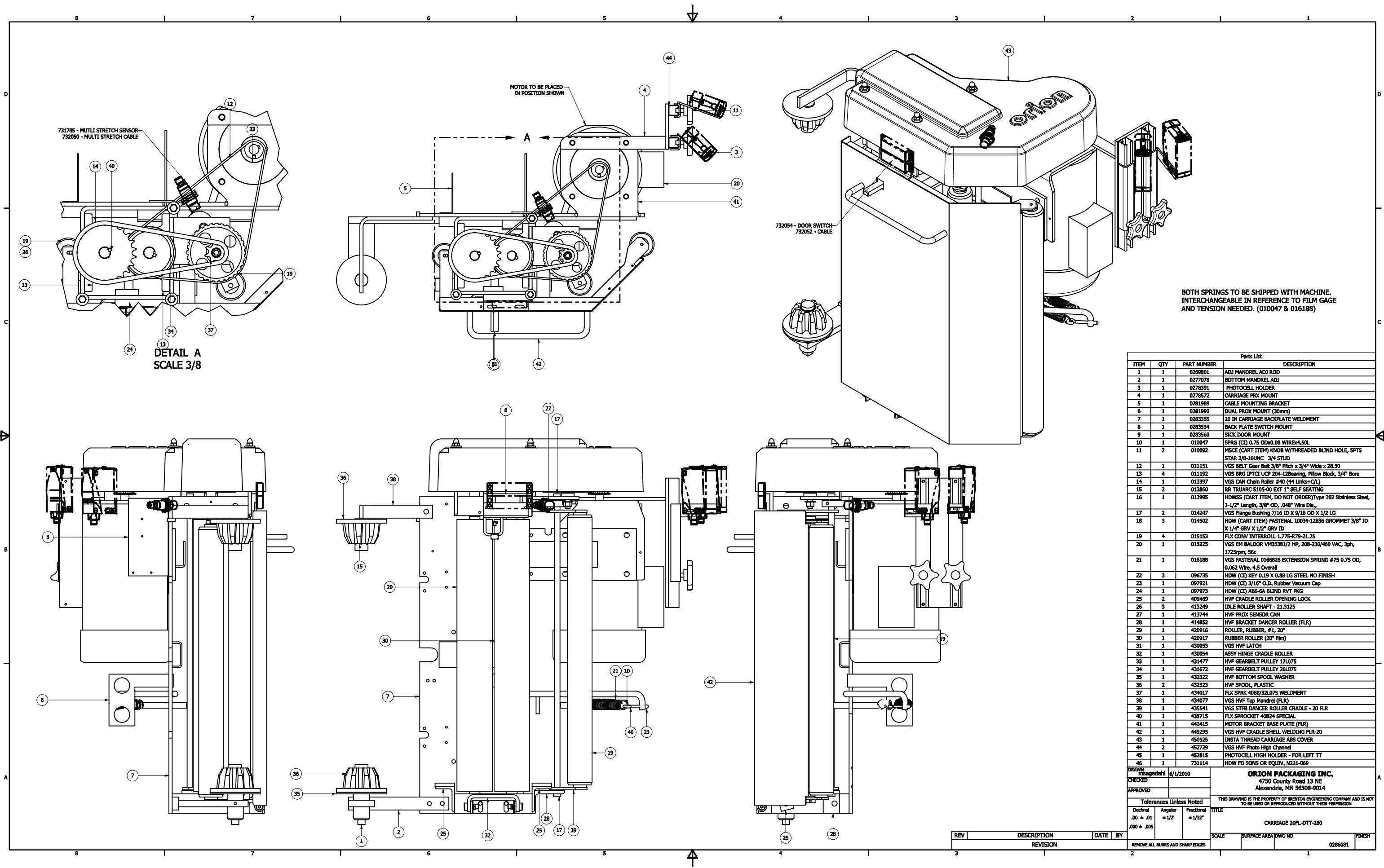
REV	DESCRIPTION	DATE	BY
REVISION			



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 VM35381/2 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					
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 20FL-IC-ULW-260		
SCALE			SURFACE AREA	DWG NO	FINISH
REMOVE ALL BURRS AND SHARP EDGES				0288580	





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
CHECKED
APPROVED

6/1/2010

Tolerances Unless Noted

Decimal
.00 ± .01
.000 ± .005

Angular
± 1/2°

Fractional
± 1/32"

TITLE

CARRIAGE 20FL-DTT-260

SCALE

SURFACE AREA (DWG NO)

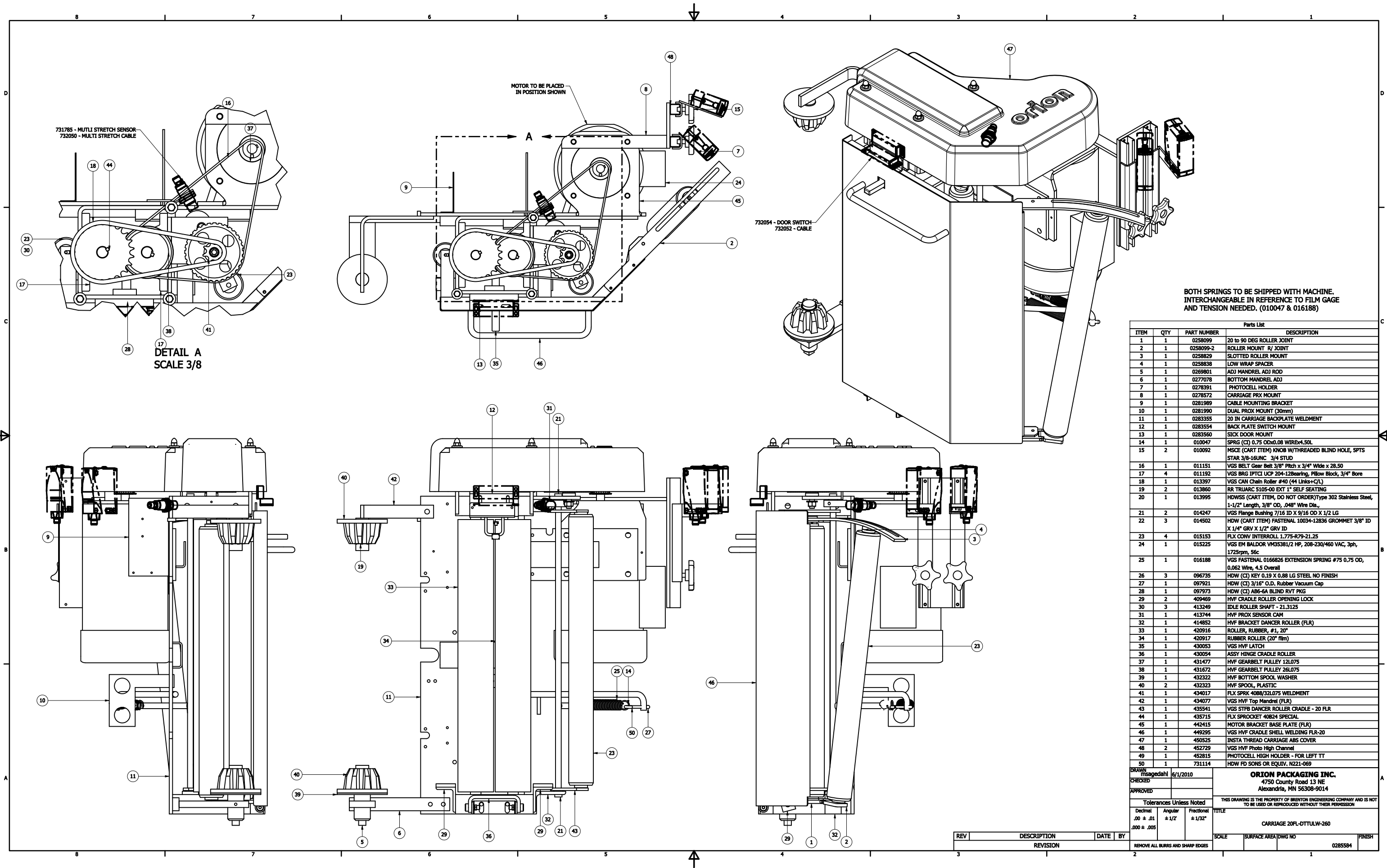
FINISH

REMOVE ALL BURRS AND SHARP EDGES

0286081

REV	DESCRIPTION	DATE	BY
	REVISION		

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



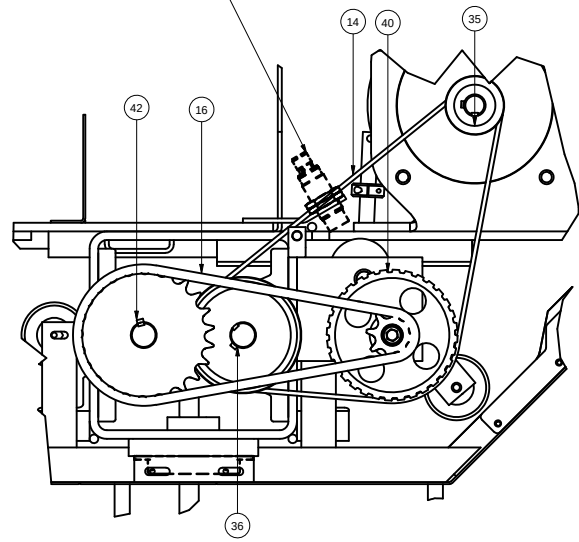
BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE IN REFERENCE TO FILM GAGE
AND TENSION NEEDED. (010047 & 016188)

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

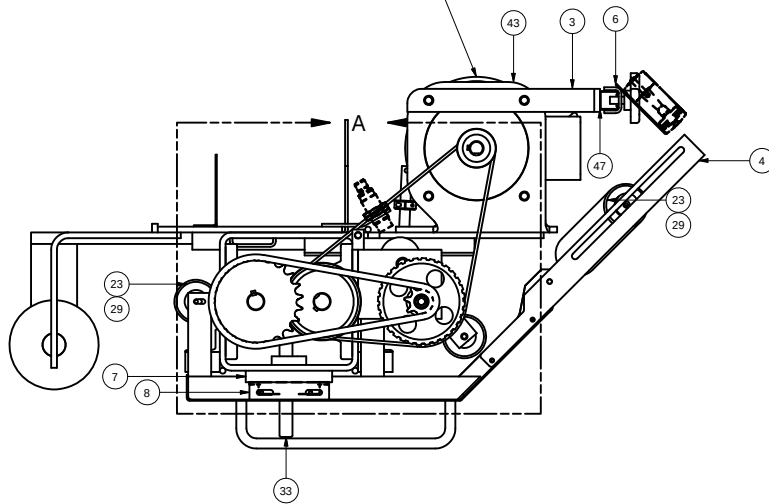
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0258099	20 to 90 DEG ROLLER JOINT
2	1	0258099-2	ROLLER MOUNT R/ JOINT
3	1	0258829	SLOTTED ROLLER MOUNT
4	1	0258838	LOW WRAP SPACER
5	1	0269801	ADJ MANDREL ADJ ROD
6	1	0277078	BOTTOM MANDREL ADJ
7	1	0278391	PHOTOCELL HOLDER
8	1	0278572	CARRIAGE PRX MOUNT
9	1	0281989	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
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24	1	015225	VGS EM BALDOR VM35381/2 HP, 208-230/460 VAC, 3ph, 1725rpm, 56c
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26	3	096735	HDW (CI) KEY 0.19 X 0.88 LG STEEL NO FINISH
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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

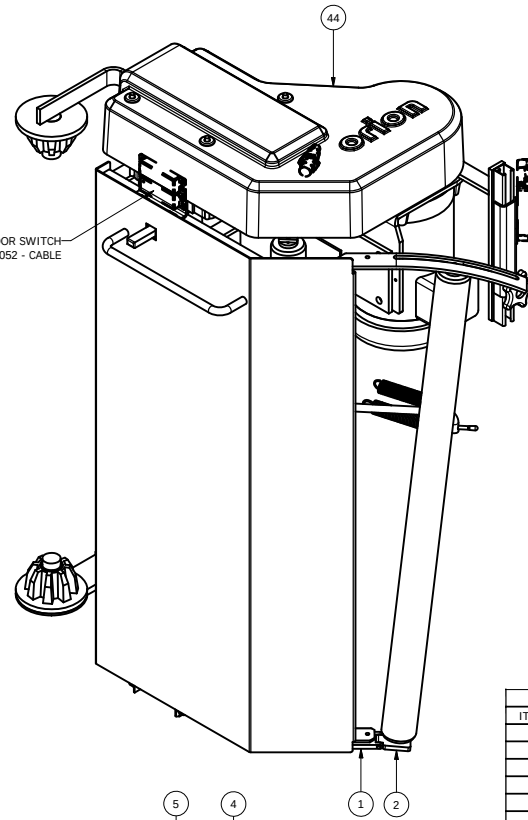


DETAIL A
SCALE 3/8

MOTOR TO BE ORIENTATED AS SHOWN



732054 - DOOR SWITCH
732052 - CABLE

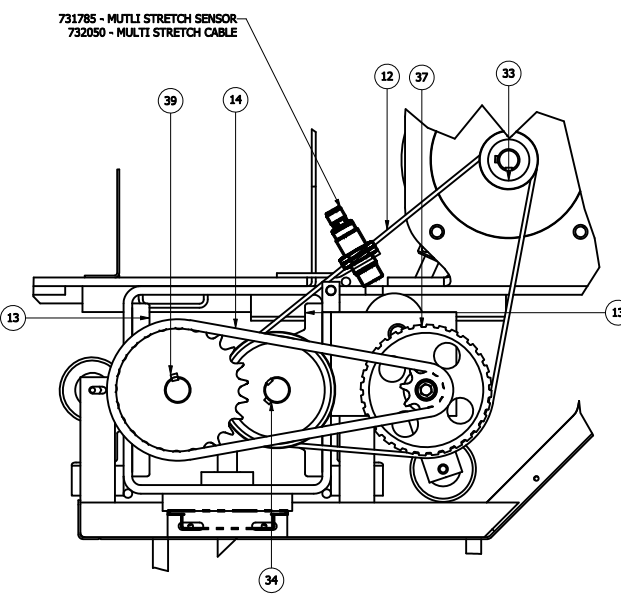


BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE SPRINGS ACCORDING TO FILM GAGE
AND TENSION NEEDED. (010047 & 016188)

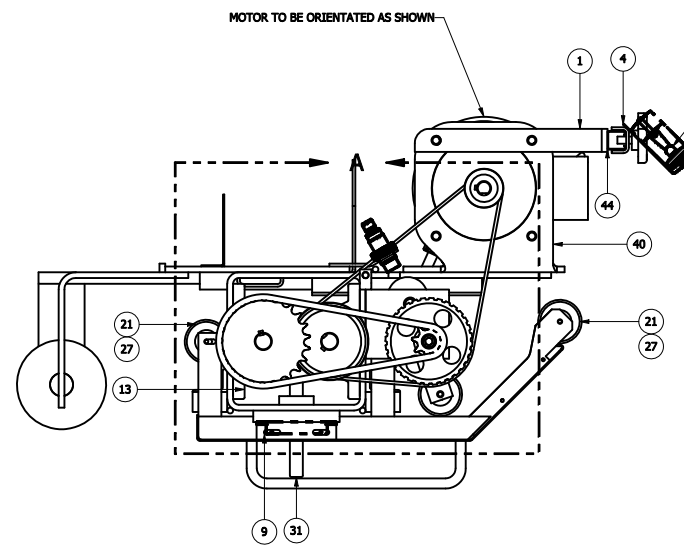
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0258099	20 to 90 DEG ROLLER JOINT
2	1	0258099-2	ROLLER MOUNT R/ JOINT
3	1	0258101	CARRIAGE PRX MOUNT
4	1	0258829	SLOTTED ROLLER MOUNT
5	1	0258838	LOW WRAP SPACER
6	1	0278391	PHOTOCELL HOLDER
7	1	0283554	BACK PLATE SWITCH MOUNT
8	1	0283560	SICK DOOR MOUNT
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 TRIARC 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

DRAWN msagedahl	4/1/2010	ORION PACKAGING INC. 4750 County Road 13 NE Alexandria, MN 56308-9014	
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	

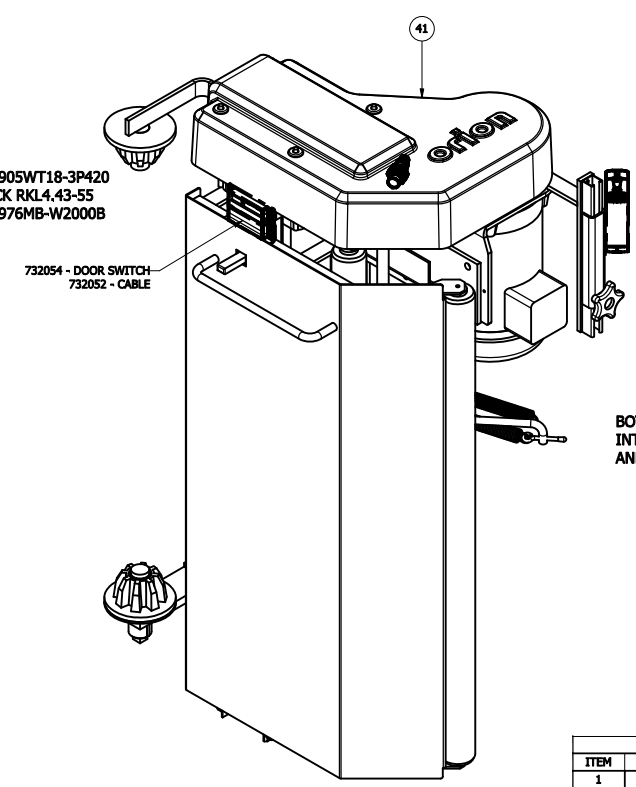
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REVISION			



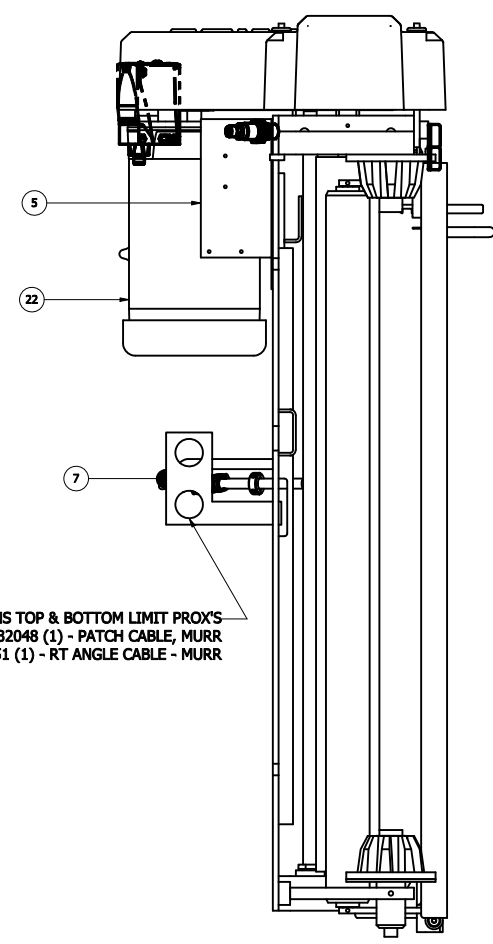
DETAIL A
SCALE 3/8



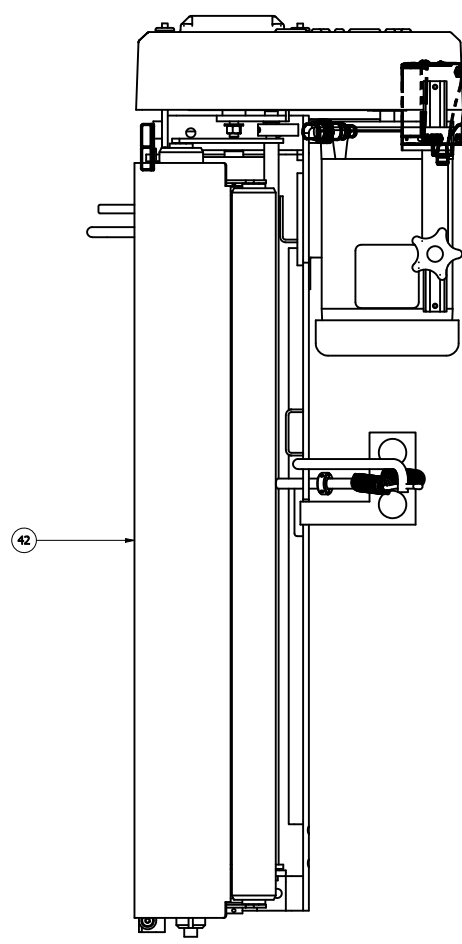
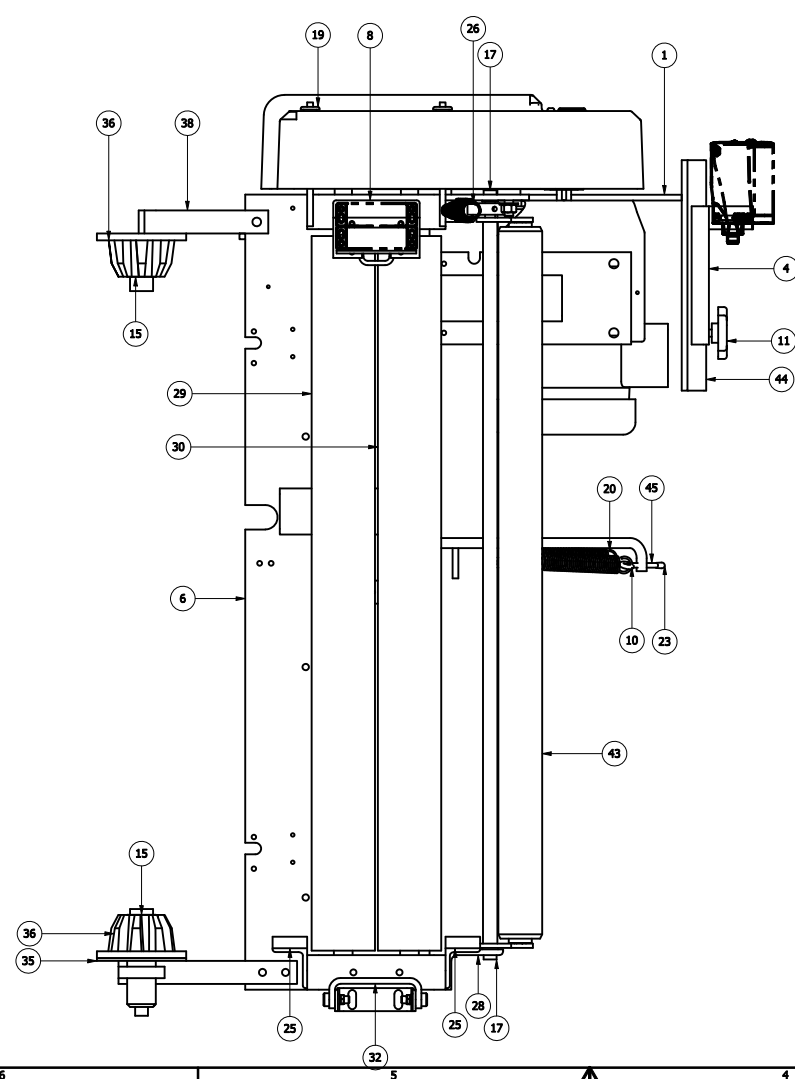
729603 - SENS 1025905WT18-3P420
729580 - SENS TURCK RKL4.43-55
716301 - SENS 7022976MB-W2000B



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



731955 (2) - SENS TOP & BOTTOM LIMIT PROXYS
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
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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
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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
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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

CHECKED

APPROVED

Tolerances Unless Noted

Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"
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ORION PACKAGING INC.
4750 County Road 13 NE
Alexandria, MN 56308-9014

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TITLE
CARRIAGE 30FL-260

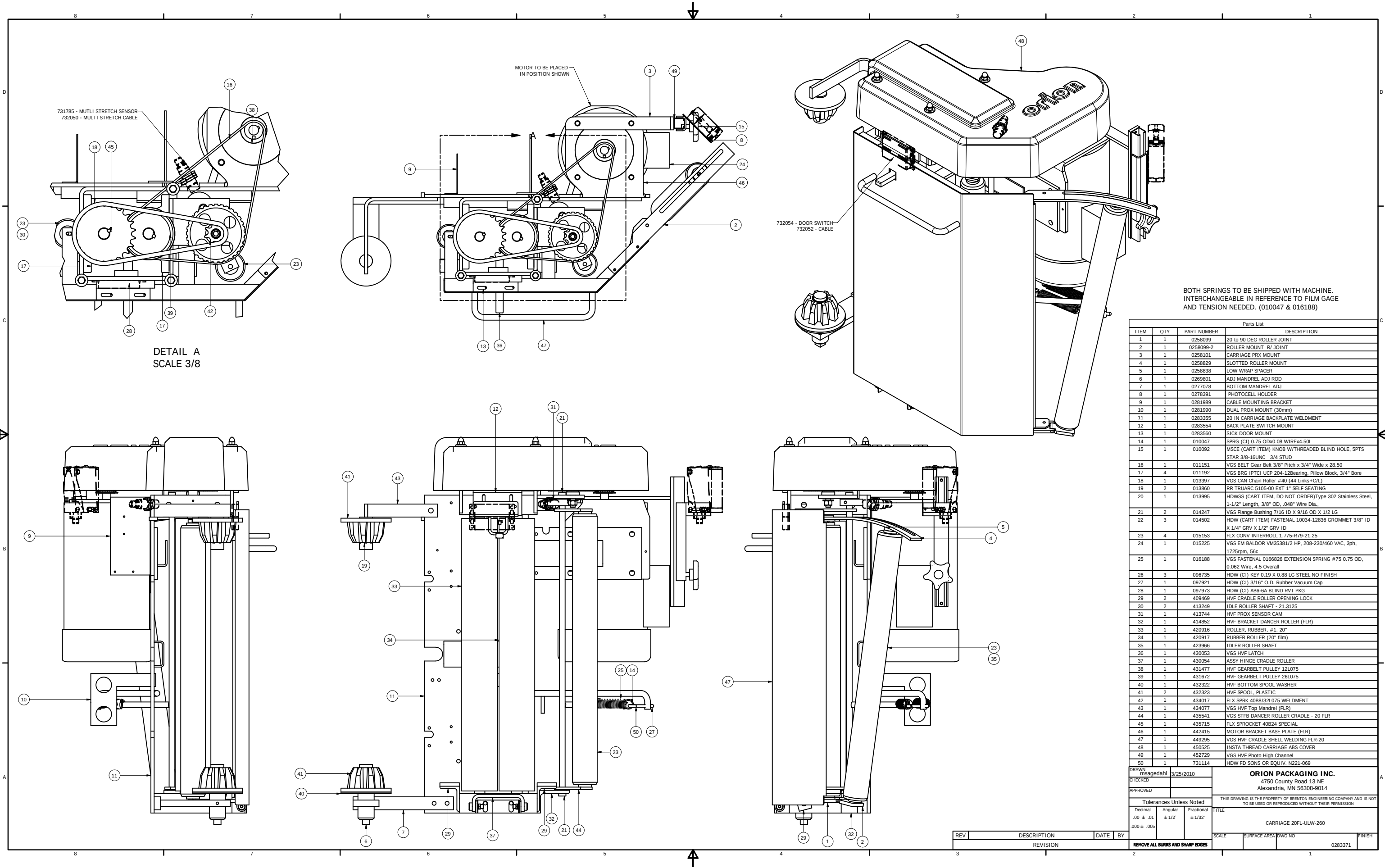
SCALE

SURFACE AREA (DWG NO)
0283380

FINISH

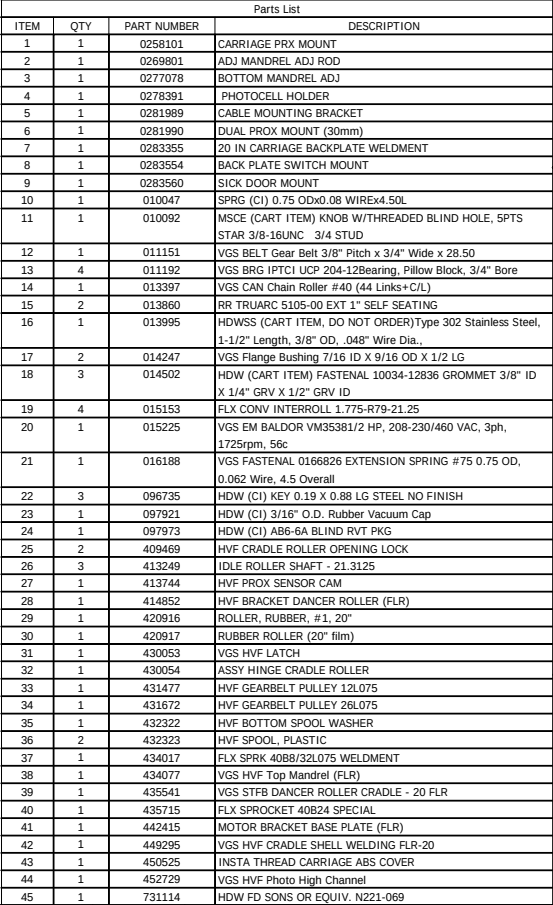
REV	DESCRIPTION	DATE	BY
REVISION			

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0258101	CARRIAGE PRX MOUNT
2	1	0269801	ADJ MANDREL ADJ ROD
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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

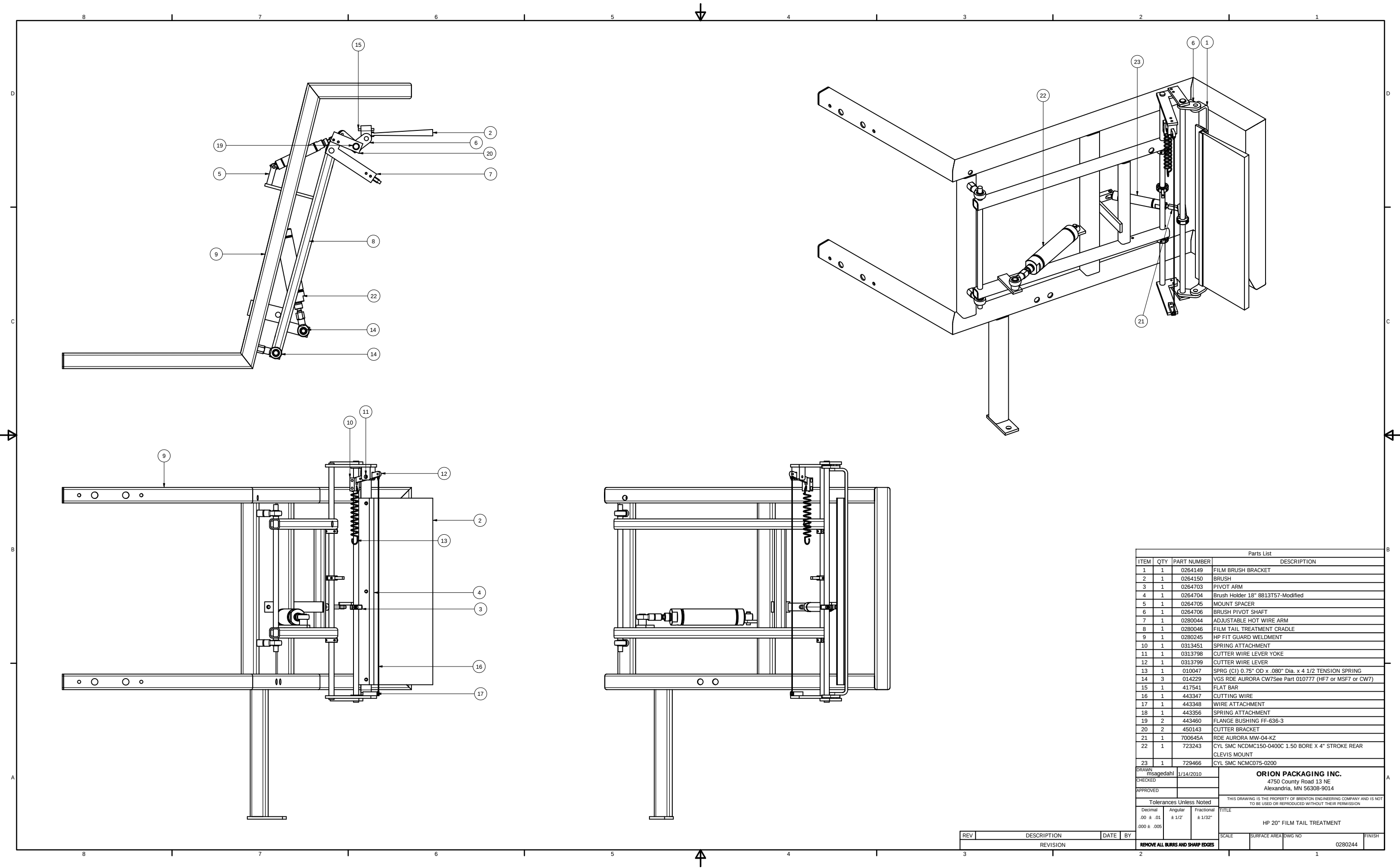


Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	0258099	20 to 90 DEG ROLLER JOINT	
2	1	0258099-2	ROLLER MOUNT R/ JOINT	
3	1	0258101	CARRIAGE PRX MOUNT	
4	1	0258829	SLOTTED ROLLER MOUNT	
5	1	0258838	LOW WRAP SPACER	
6	1	0269801	ADJ MANDREL ADJ ROD	
7	1	0277078	BOTTOM MANDREL ADJ	
8	1	0278391	PHOTOCELL 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				

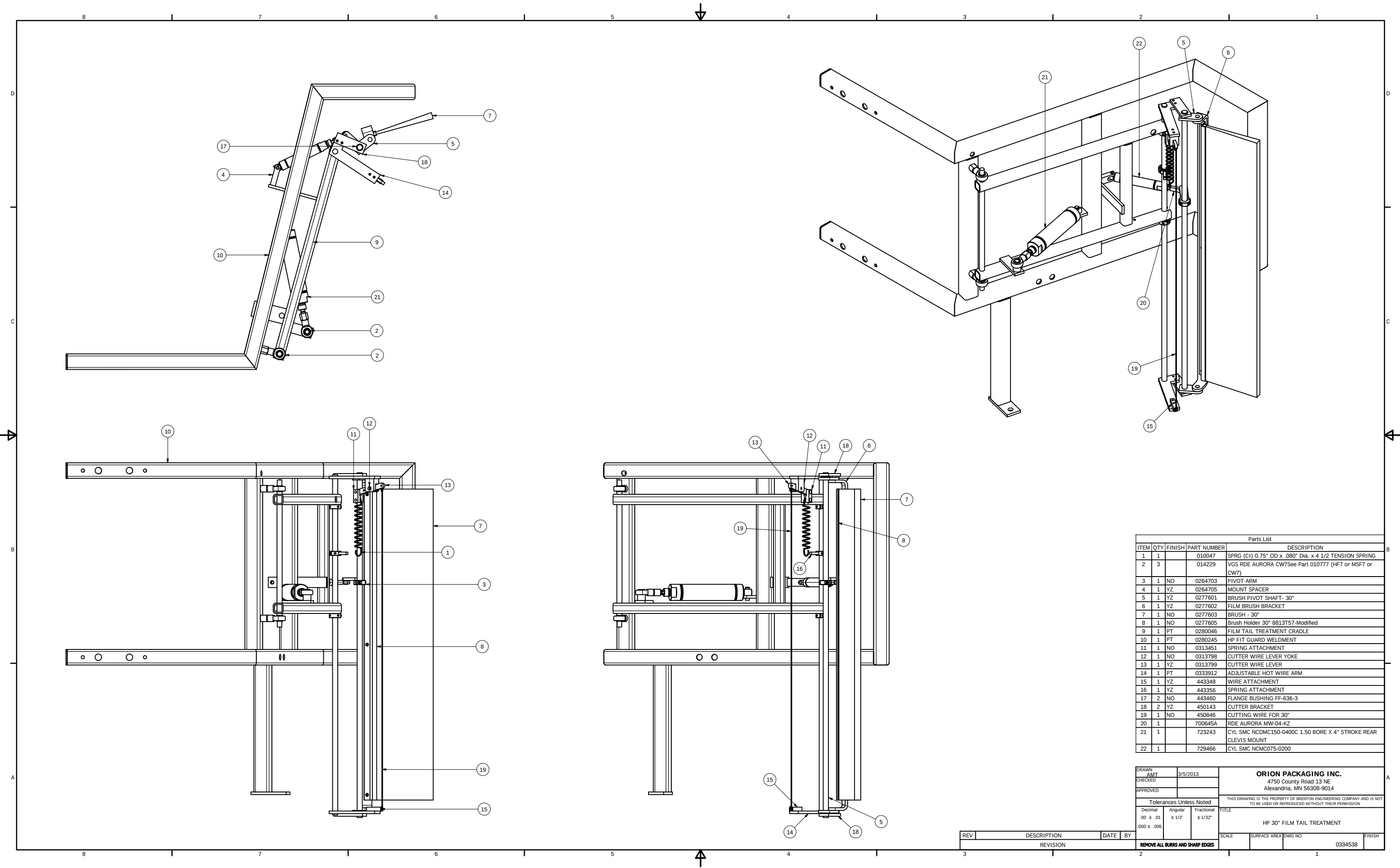


DRAWING Issued by 3/25/2010		ORION PACKAGING INC. 4750 County Road 13 NE Alexandria, MN 56308-9014	
CHECKED			
APPROVED			
Tolerances Unless Noted		THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION	
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	TITLE CARRIAGE 20FL-260
REMOVE ALL BURRS AND SHARP EDGES		SCALE	SURFACE AREA DWG NO 0283370 FINISH



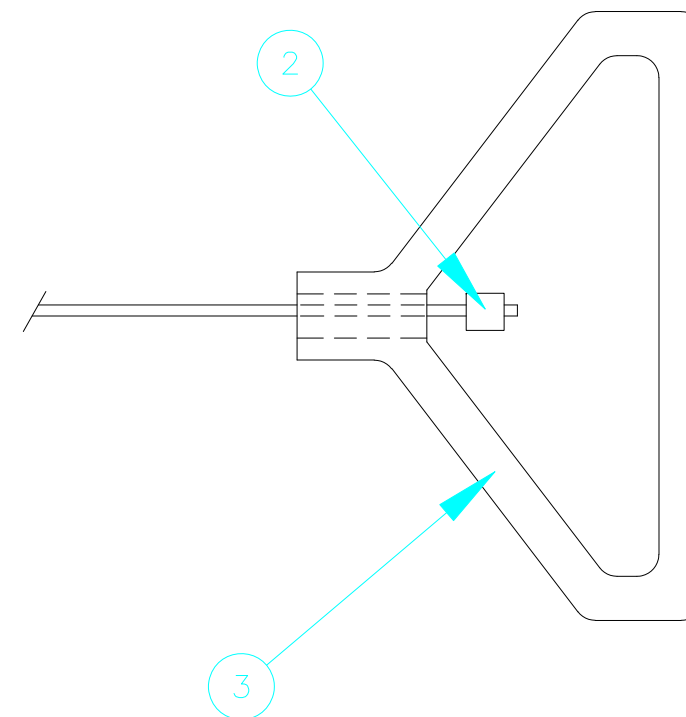
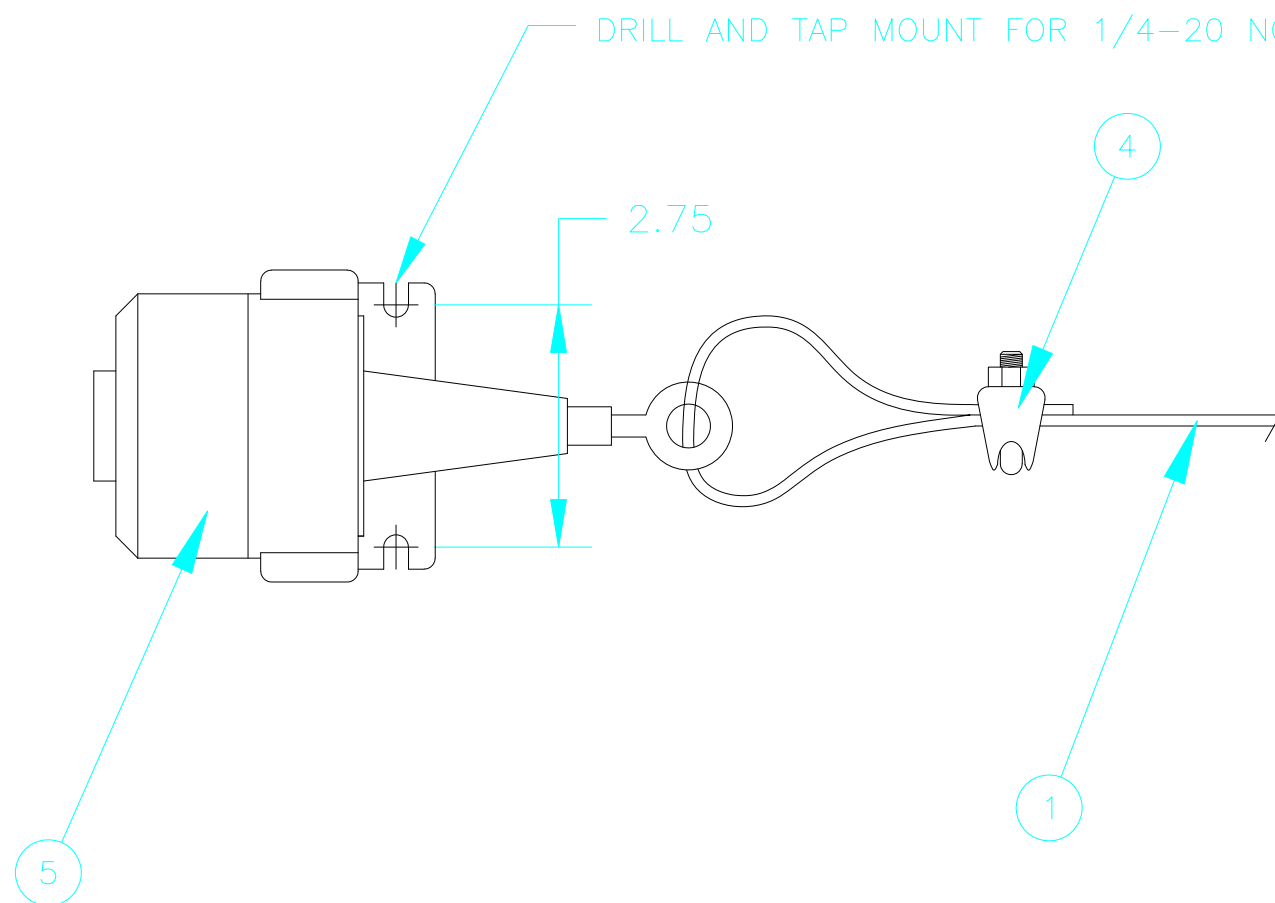
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0264149	FILM BRUSH BRACKET
2	1	0264150	BRUSH
3	1	0264703	PIVOT ARM
4	1	0264704	Brush Holder 18" 8813T57-Modified
5	1	0264705	MOUNT SPACER
6	1	0264706	BRUSH PIVOT SHAFT
7	1	0280044	ADJUSTABLE HOT WIRE ARM
8	1	0280046	FILM TAIL TREATMENT CRADLE
9	1	0280245	HP FIT GUARD WELDMENT
10	1	0313451	SPRING ATTACHMENT
11	1	0313798	CUTTER WIRE LEVER YOKE
12	1	0313799	CUTTER WIRE LEVER
13	1	010047	SPRG (C) 0.75" OD x .080" Dia. x 4 1/2 TENSION SPRING
14	3	014229	VGS RDE AURORA CW7See Part 010777 (HF7 or MSF7 or CW7)
15	1	417541	FLAT BAR
16	1	443347	CUTTING WIRE
17	1	443348	WIRE ATTACHMENT
18	1	443356	SPRING ATTACHMENT
19	2	443460	FLANGE BUSHING FF-636-3
20	2	450143	CUTTER BRACKET
21	1	700645A	RDE AURORA MW-04-KZ
22	1	723243	CYL SMC NCDMC150-0400C 1.50 BORE X 4" STROKE REAR CLEVIS MOUNT
23	1	729466	CYL SMC NCMC075-0200

DRAWN	msagedahl	1/14/2010	ORION PACKAGING INC. 4750 County Road 13 NE Alexandria, MN 56308-9014	
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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"	HP 20" FILM TAIL TREATMENT	
.000 ± .005			SCALE	SURFACE AREA DWG NO
REMOVE ALL BURRS AND SHARP EDGES				0280244



Parts List				
ITEM	QTY	FINISH	PART NUMBER	DESCRIPTION
1	1		010047	SPRG (C1) 0.75" OD x .080" Dia. x 4 1/2 TENSION SPRING
2	3		014229	VGS RDE AURORA CW7See Part 010777 (HF7 or MSF7 or CWT)
3	1	NO	0264703	PIVOT ARM
4	1	YZ	0264705	MOUNT SPACER
5	1	YZ	0277601	BRUSH PIVOT SHAFT- 30"
6	1	YZ	0277602	FILM BRUSH BRACKET
7	1	NO	0277603	BRUSH - 30"
8	1	NO	0277605	Brush Holder 30" 8813T57-Modified
9	1	PT	0280046	FILM TAIL TREATMENT CRADLE
10	1	PT	0280245	HP FIT GUARD WELDMENT
11	1	NO	0313451	SPRING ATTACHMENT
12	1	NO	0313798	CUTTER WIRE LEVER YOKE
13	1	YZ	0313799	CUTTER WIRE LEVER
14	1	PT	0333912	ADJUSTABLE HOT WIRE ARM
15	1	YZ	443348	WIRE ATTACHMENT
16	1	YZ	443356	SPRING ATTACHMENT
17	2	NO	443460	FLANGE BUSHING FF-636-3
18	2	YZ	450143	CUTTER BRACKET
19	1	NO	450846	CUTTING WIRE FOR 30"
20	1		700645A	RDE AURORA MW-04-KZ
21	1		723243	CYL SMC NCDMC150-0400C 1.50 BORE X 4" STROKE REAR CLEVIS MOUNT
22	1		729466	CYL SMC NCMC075-0200

DRAWN AMT	3/5/2013	ORION PACKAGING INC. 4750 County Road 13 NE Alexandria, MN 56308-9014	
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° ± 1/32°	HP 30" FILM TAIL TREATMENT	
SCALE	SURFACE AREA	DWG NO	FINISH
		0334538	



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

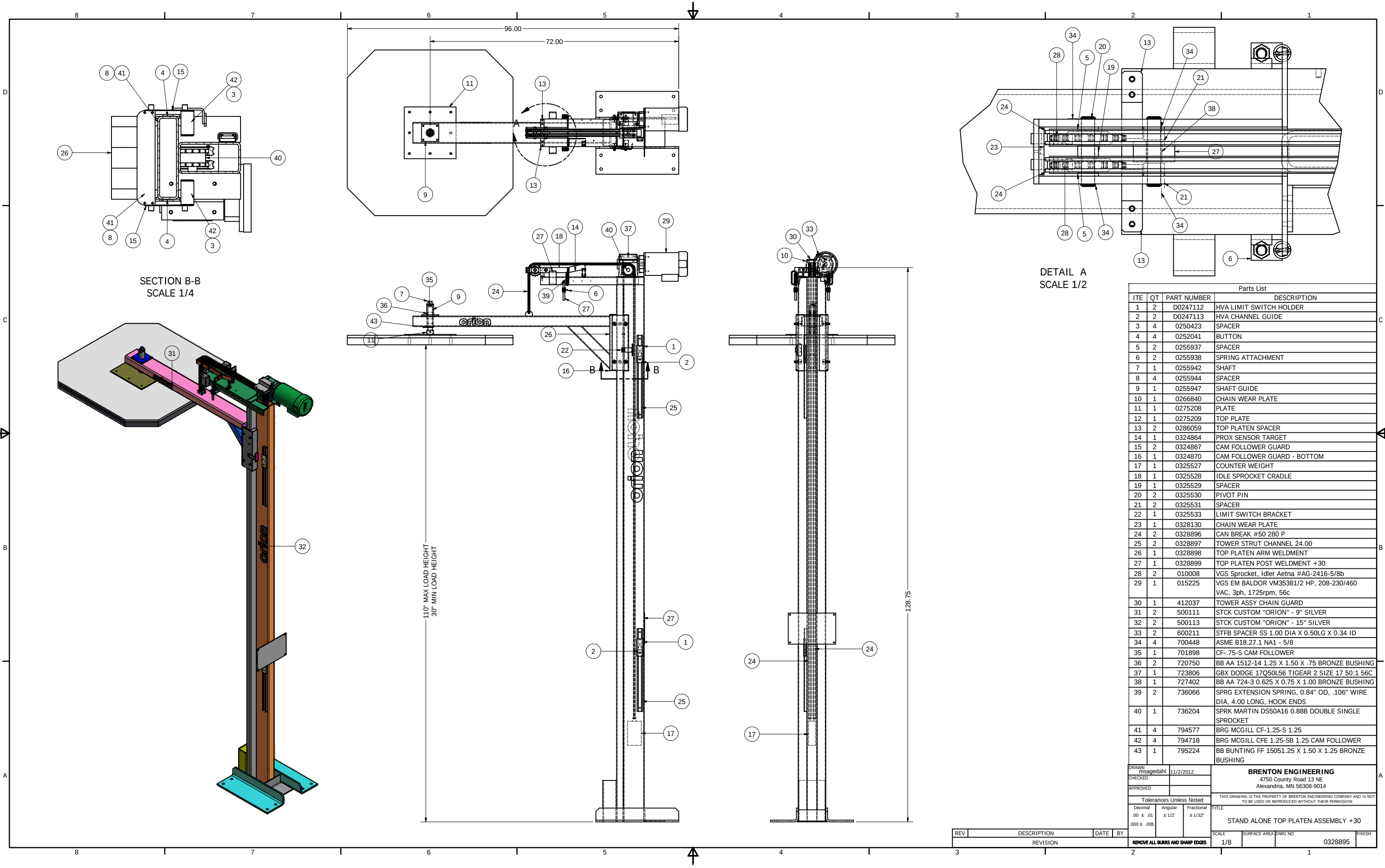
NOTE: CUT CABLE TO LENGTH
AFTER MOUNTING SWITCH AT
INSTALL, THEN SECURE CABLE
CLAMP.

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: <i>jnori</i>	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				

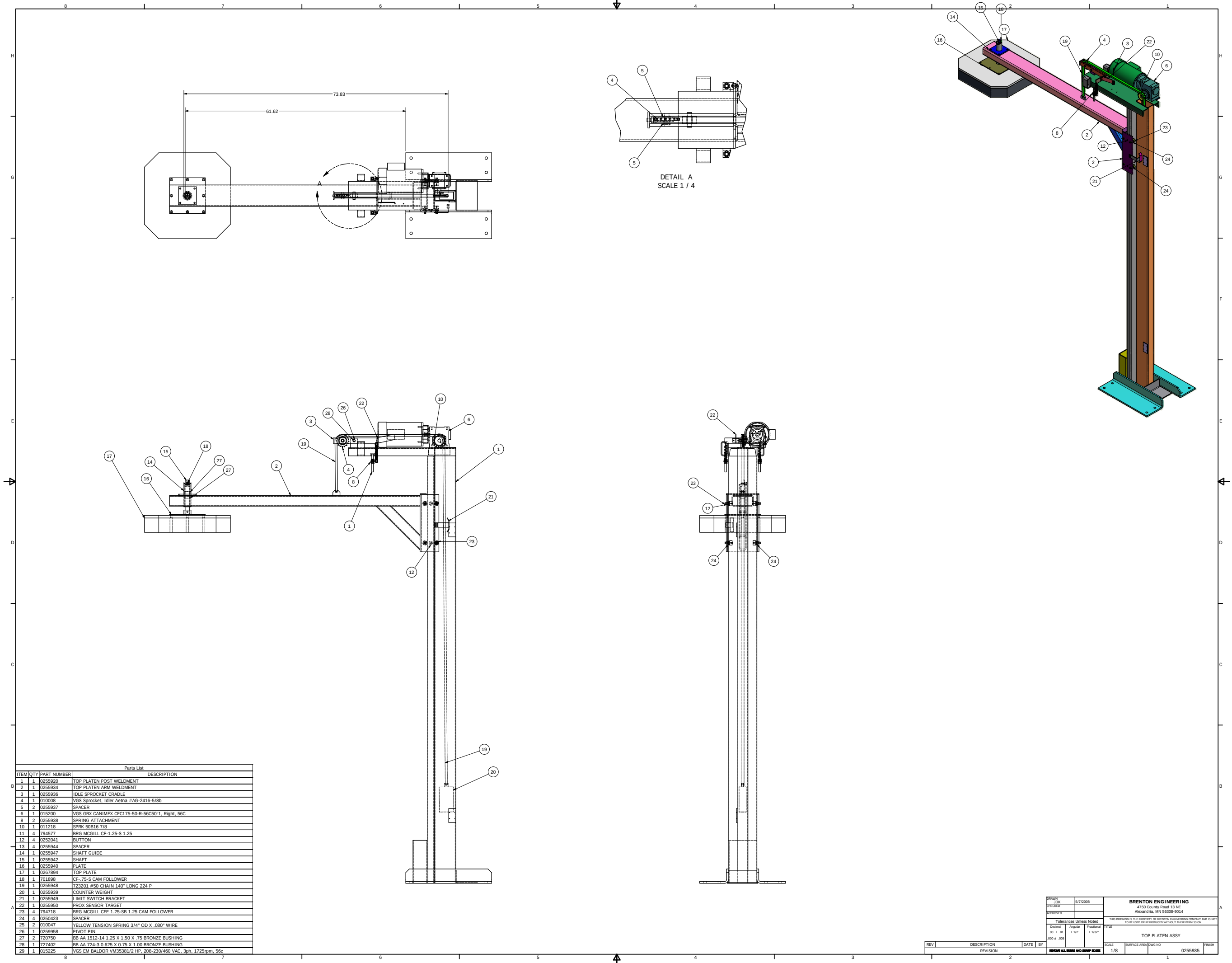
Surface Area:

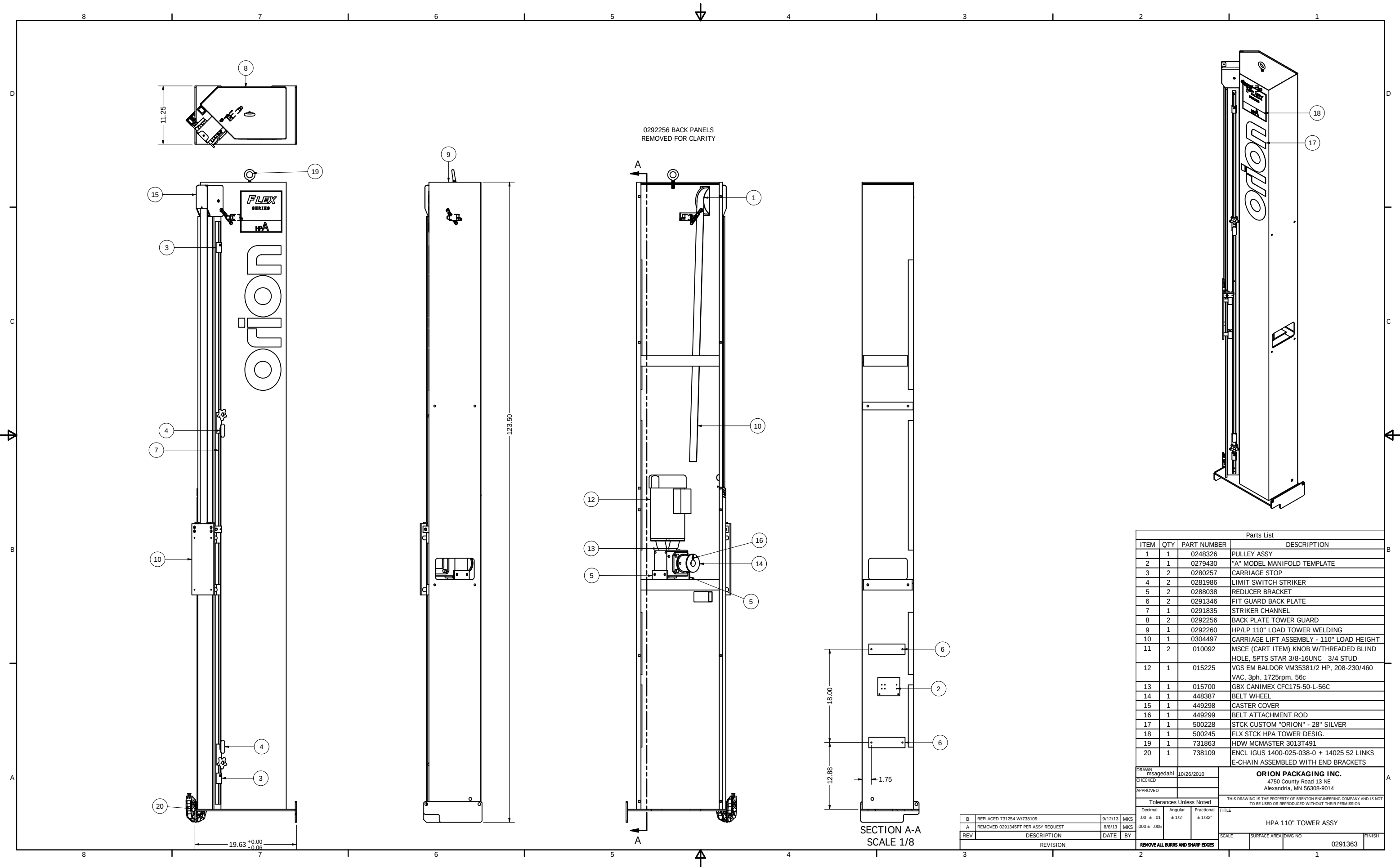


Parts List				
ITE	QT	PART NUMBER	DESCRIPTION	
1	2	D0247112	HVA LIMIT SWITCH HOLDER	
2	2	D0247113	HVA CHANNEL GUIDE	
3	4	0250423	SPACER	
4	4	0252041	BUTTON	
5	2	0255937	SPACER	
6	2	0255938	SPRING ATTACHMENT	
7	1	0255942	SHAFT	
8	4	0255944	SPACER	
9	1	0255947	SHAFT GUIDE	
10	1	0266840	CHAIN WEAR PLATE	
11	1	0275208	PLATE	
12	1	0275209	TOP PLATE	
13	2	0286059	TOP PLATEN SPACER	
14	1	0324864	PROX SENSOR TARGET	
15	2	0324867	CAM FOLLOWER GUARD	
16	1	0324870	CAM FOLLOWER GUARD - BOTTOM	
17	1	0325527	COUNTER WEIGHT	
18	1	0325528	IDLE SPROCKET CRADLE	
19	1	0325529	SPACER	
20	2	0325530	PIVOT PIN	
21	2	0325531	SPACER	
22	1	0325533	LIMIT SWITCH BRACKET	
23	1	0328130	CHAIN WEAR PLATE	
24	2	0328896	CAN BREAK #50 280 P	
25	2	0328897	TOWER STRUT CHANNEL 24.00	
26	1	0328898	TOP PLATEN ARM WELDMENT	
27	1	0328899	TOP PLATEN POST WELDMENT +30	
28	2	010008	VGS Sprocket, Idler Aetna #AG-2416-5/8b	
29	1	015225	VGS EM BALDOR VM35381/2 HP, 208-230/460 VAC, 3ph, 1725rpm, 56c	
30	1	412037	TOWER ASSY CHAIN GUARD	
31	2	500111	STCK CUSTOM "ORION" - 9" SILVER	
32	2	500113	STCK CUSTOM "ORION" - 15" SILVER	
33	2	600211	STFB SPACER SS 1.00 DIA X 0.50LG X 0.34 ID	
34	4	700448	ASME B18.27.1 NA1 - 5/8	
35	1	701898	CF-.75-S CAM FOLLOWER	
36	2	720750	BB AA 1512-14 1.25 X 1.50 X .75 BRONZE BUSHING	
37	1	723806	GBX DODGE 17Q50L56 TIGEAR 2 SIZE 17 50:1 56C	
38	1	727402	BB AA 724-3 0.625 X 0.75 X 1.00 BRONZE BUSHING	
39	2	736066	SPRG EXTENSION SPRING, 0.84" OD, .106" WIRE DIA, 4.00 LONG, HOOK ENDS	
40	1	736204	SPRK MARTIN DS50A16 0.88B DOUBLE SINGLE SPROCKET	
41	4	794577	BRG MCGILL CF-1.25-S 1.25	
42	4	794718	BRG MCGILL CFE 1.25-SB 1.25 CAM FOLLOWER	
43	1	795224	BB BUNTING FF 15051.25 X 1.50 X 1.25 BRONZE BUSHING	

DRAWN	msagedahl	11/2/2012	BRENTON ENGINEERING 4750 County Road 13 NE Alexandria, MN 56308-9014	
CHECKED				
APPROVED				
Tolerances Unless Noted			THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION	
Decimal	Angular	Fractional	TITLE	
.00 ± .01	± 1/2°	± 1/32"	STAND ALONE TOP PLATEN ASSEMBLY +30	
.000 ± .005				
SCALE	1/8	SURFACE AREA	DWG NO	0328895
REMOVE ALL BURRS AND SHARP EDGES				

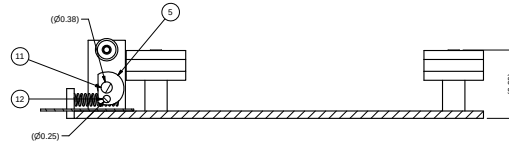
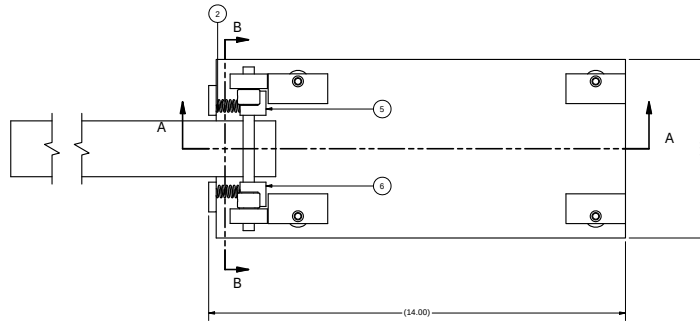
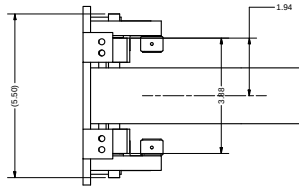
REV	DESCRIPTION	DATE	BY
	REVISION		



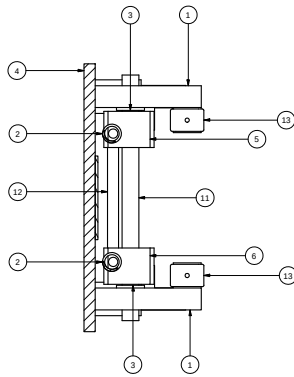


REV	DESCRIPTION	DATE	BY
B	REPLACED 731254 W/738109	9/12/13	MKS
A	REMOVED 0291345PT PER ASSY REQUEST	8/8/13	MKS
REV	DESCRIPTION	DATE	BY
REVISION			

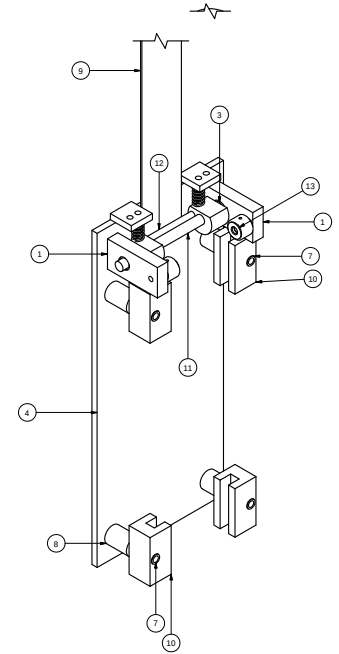
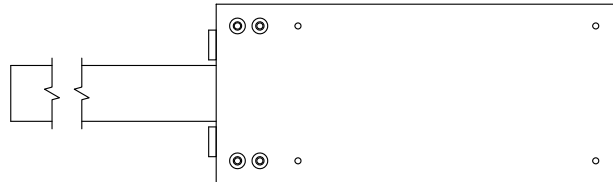
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0248326	PULLEY ASSY
2	1	0279430	"A" MODEL MANIFOLD TEMPLATE
3	2	0280257	CARRIAGE STOP
4	2	0281986	LIMIT SWITCH STRIKER
5	2	0288038	REDUCER BRACKET
6	2	0291346	FIT GUARD BACK PLATE
7	1	0291835	STRIKER CHANNEL
8	2	0292256	BACK PLATE TOWER GUARD
9	1	0292260	HP/LP 110" LOAD TOWER WELDING
10	1	0304497	CARRIAGE LIFT ASSEMBLY - 110" LOAD HEIGHT
11	2	010092	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC 3/4 STUD
12	1	015225	VGS EM BALDOR VM35381/2 HP, 208-230/460 VAC, 3ph, 1725rpm, 56c
13	1	015700	GBX CANIMEX CFC175-50-L-56C
14	1	448387	BELT WHEEL
15	1	449298	CASTER COVER
16	1	449299	BELT ATTACHMENT ROD
17	1	500228	STCK CUSTOM "ORION" - 28" SILVER
18	1	500245	FLX STCK HPA TOWER DESIG.
19	1	731863	HDW MCMASTER 3013T491
20	1	738109	ENCL IGUS 1400-025-038-0 + 14025 52 LINKS E-CHAIN ASSEMBLED WITH END BRACKETS
DRAWN: mtsagedahl 10/26/2010			
CHECKED:			
APPROVED:			
Tolerances Unless Noted			
Decimal: .00 ± .01 Angular: ± 1/2° Fractional: ± 1/32"			
THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION			
TITLE: HPA 110" TOWER ASSY			
SCALE: SURFACE AREA DWG NO: 0291363 FINISH:			
REMOVE ALL BURRS AND SHARP EDGES			



SECTION A-A
SCALE 1/2



SECTION B-B
SCALE 3/4



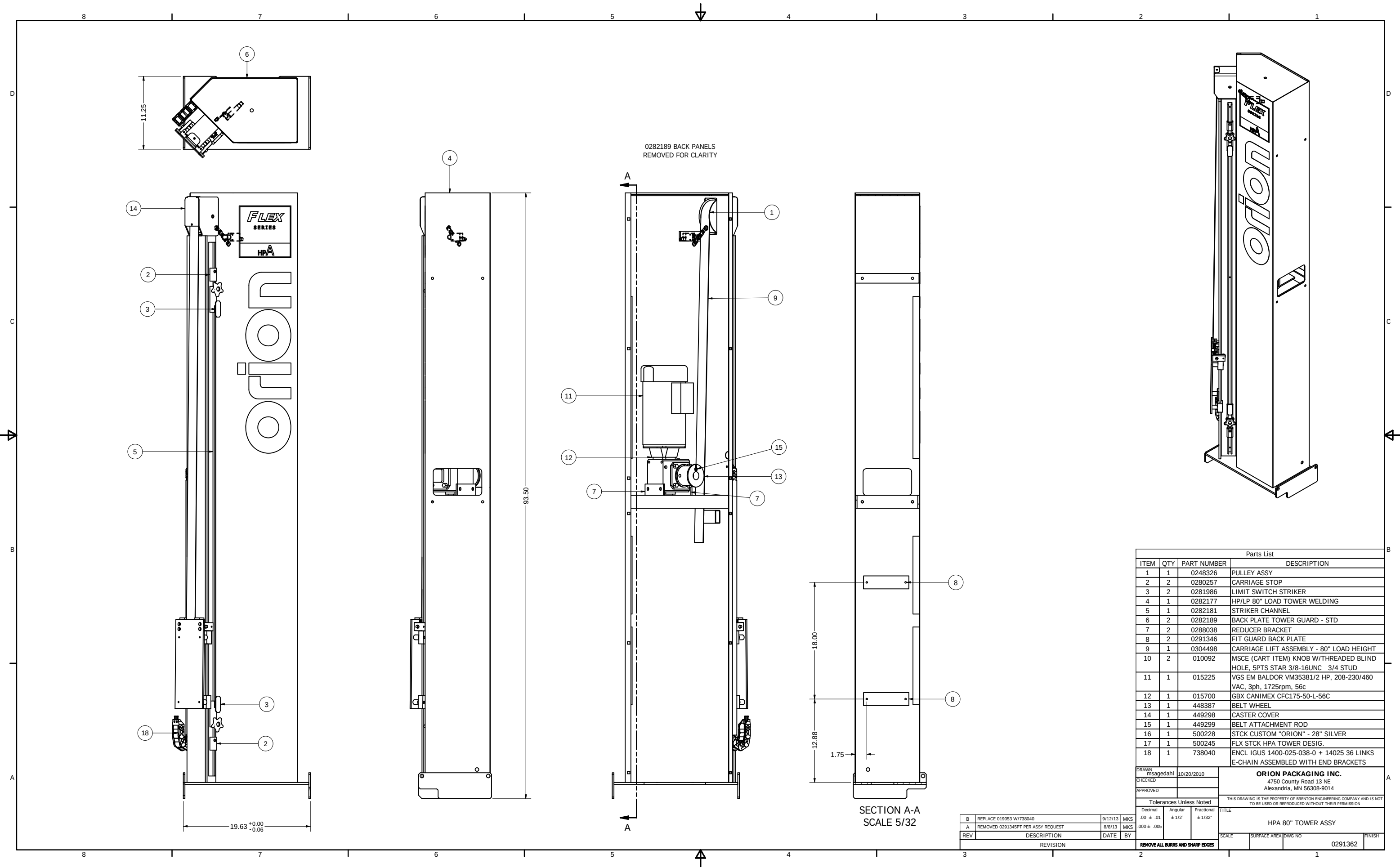
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	0304494	ECCENTRIC BRACKET
2	2	0139995	SCWSS (CARTR ITEM) #23 Spring, 1.5" L X 0.38 OD
3	2	017500	VGS BR FS 520-5 3/8 X 1/2 X 1/2
4	1	430028	CARRIAGE ATTACHMENT BACK PLATE
5	1	430032-LH	LEFT HAND ECCENTRIC
6	1	430032-RH	RIGHT HAND ECCENTRIC
7	4	434102	SPACER 3/8 OD X 1/4 ID
8	4	434103	SPACER 3/4 OD X 1/4 ID
9	1	436474	VGS BELTN Webbing #B233 146"
10	4	439164	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-S 0.75 CAM YOKE SEALED

DESIGNED mtgdedsh	DATE 2/6/2012	BRENTON ENGINEERING 4750 County Road 13 NE Alexandria, MN 56308-9014	
CHECKED			
APPROVED			

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Decimal ± .01	Angular ± 1/2	Fractional ± 1/32	TITLE	
			CARRIAGE LIFT ASSEMBLY - 80" LOAD HEIGHT	

REV	DESCRIPTION	DATE	BY	TITLE	SURFACE AREA (SQ. IN.)	NO.	FINISH	NO.
	REVISION							

REMOVAL BURS AND SHARP EDGES



REV	DESCRIPTION	DATE	BY
B	REPLACE 019053 W/738040	9/12/13	MKS
A	REMOVED 0291345PT PER ASSY REQUEST	8/8/13	MKS

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	2	0291346	FIT GUARD BACK PLATE
9	1	0304498	CARRIAGE LIFT ASSEMBLY - 80" LOAD HEIGHT
10	2	010092	MSCE (CART ITEM) KNOB W/THREADED BLIND HOLE, 5PTS STAR 3/8-16UNC 3/4 STUD
11	1	015225	VGS EM BALDOR VM35381/2 HP, 208-230/460 VAC, 3ph, 1725rpm, 56c
12	1	015700	GBX CANIMEX CFC175-50-L-56C
13	1	448387	BELT WHEEL
14	1	449298	CASTER COVER
15	1	449299	BELT ATTACHMENT ROD
16	1	500228	STCK CUSTOM "ORION" - 28" SILVER
17	1	500245	FLX STCK HPA TOWER DESIG.
18	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		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 HPA 80" TOWER ASSY		
REMOVE ALL BURRS AND SHARP EDGES			SCALE	SURFACE AREA	DWG NO 0291362
			FINISH		