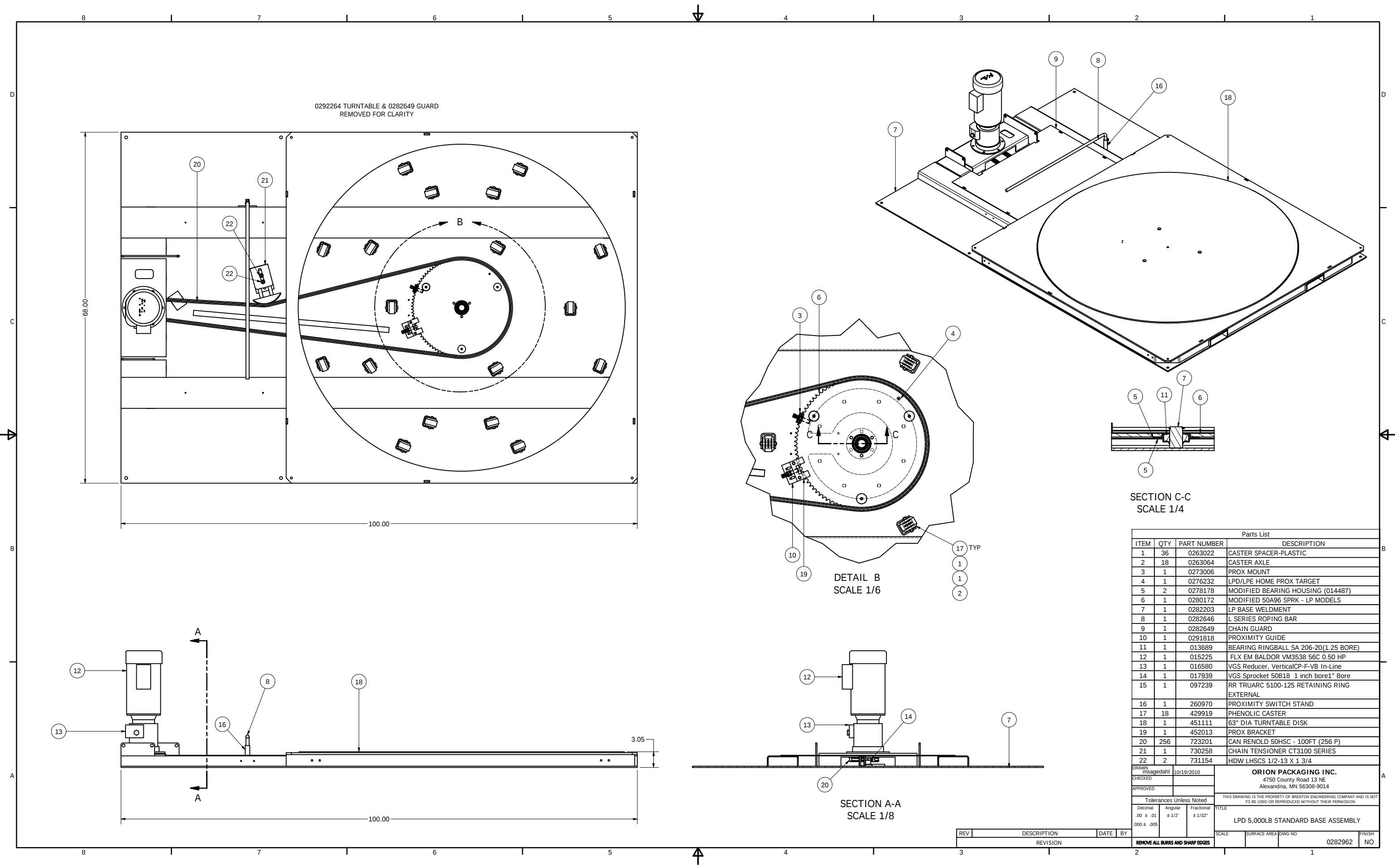
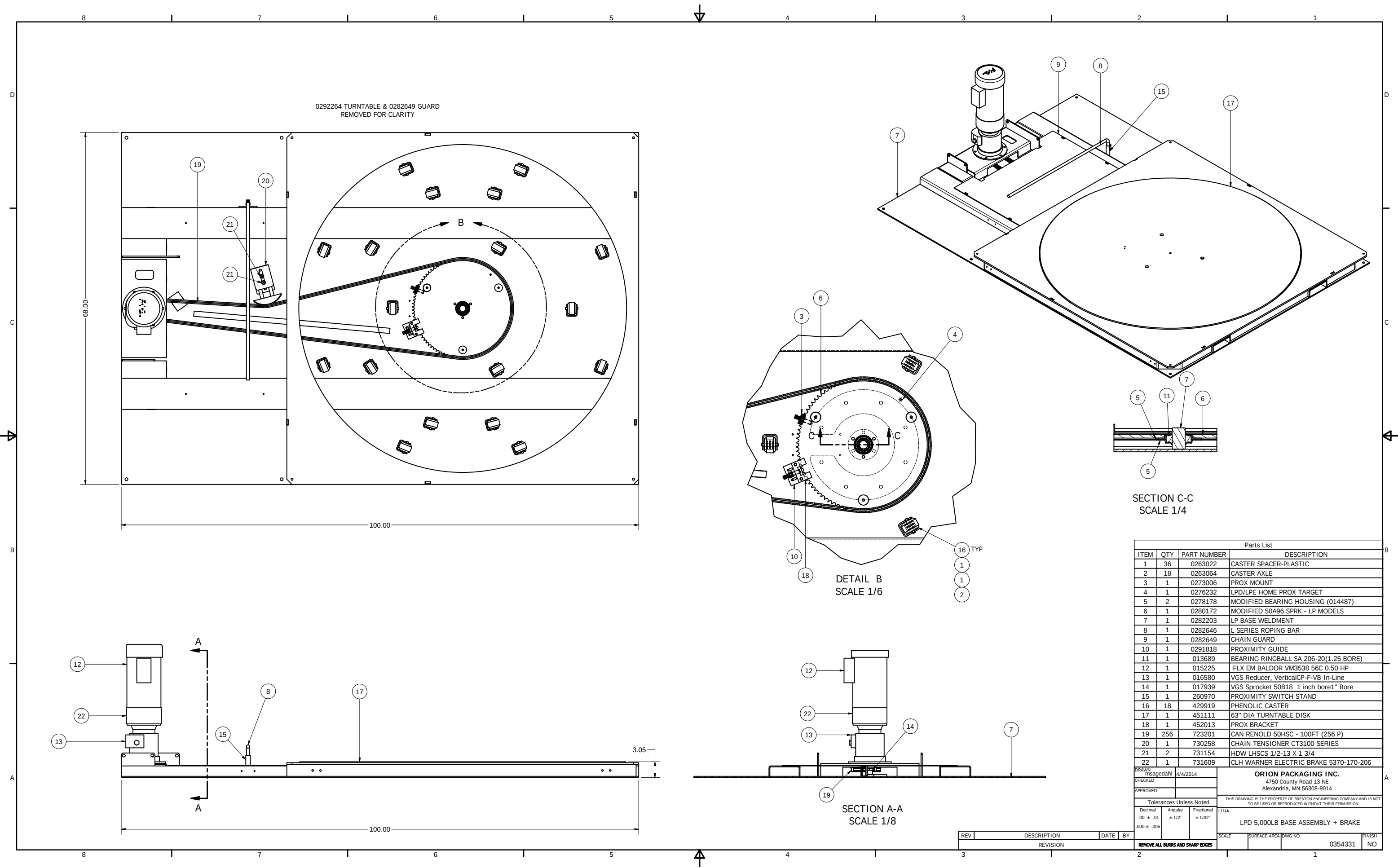




Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	36	0263022	CASTER SPACER-PLASTIC	
2	18	0263064	CASTER AXLE	
3	1	0273006	PROX MOUNT	
4	1	0276232	LPD/LPE HOME PROX TARGET	
5	2	0278178	MODIFIED BEARING HOUSING (014487)	
6	1	0280172	MODIFIED 50A96 SPRK - LP MODELS	
7	1	0282203	LP BASE WELDMENT	
8	1	0282646	L SERIES ROPING BAR	
9	1	0282649	CHAIN GUARD	
10	1	0291818	PROXIMITY GUIDE	
11	1	013689	BEARING RINGBALL SA 206-20(1.25 BORE)	
12	1	015225	FLX EM BALDOR VM3538 56C 0.50 HP	
13	1	016580	VGS Reducer, VerticalCP-F-VB In-Line	
14	1	017939	VGS Sprocket 50B18 1 inch bore1" Bore	
15	1	097239	RR TRUARC 5100-125 RETAINING RING EXTERNAL	
16	1	260970	PROXIMITY SWITCH STAND	
17	18	429919	PHENOLIC CASTER	
18	1	451111	63" DIA TURNTABLE DISK	
19	1	452013	PROX BRACKET	
20	256	723201	CAN RENOLD 50HSC - 100FT (256 P)	
21	1	730258	CHAIN TENSIONER CT3100 SERIES	
22	2	731154	HDW LHSCS 1/2-13 X 1 3/4	

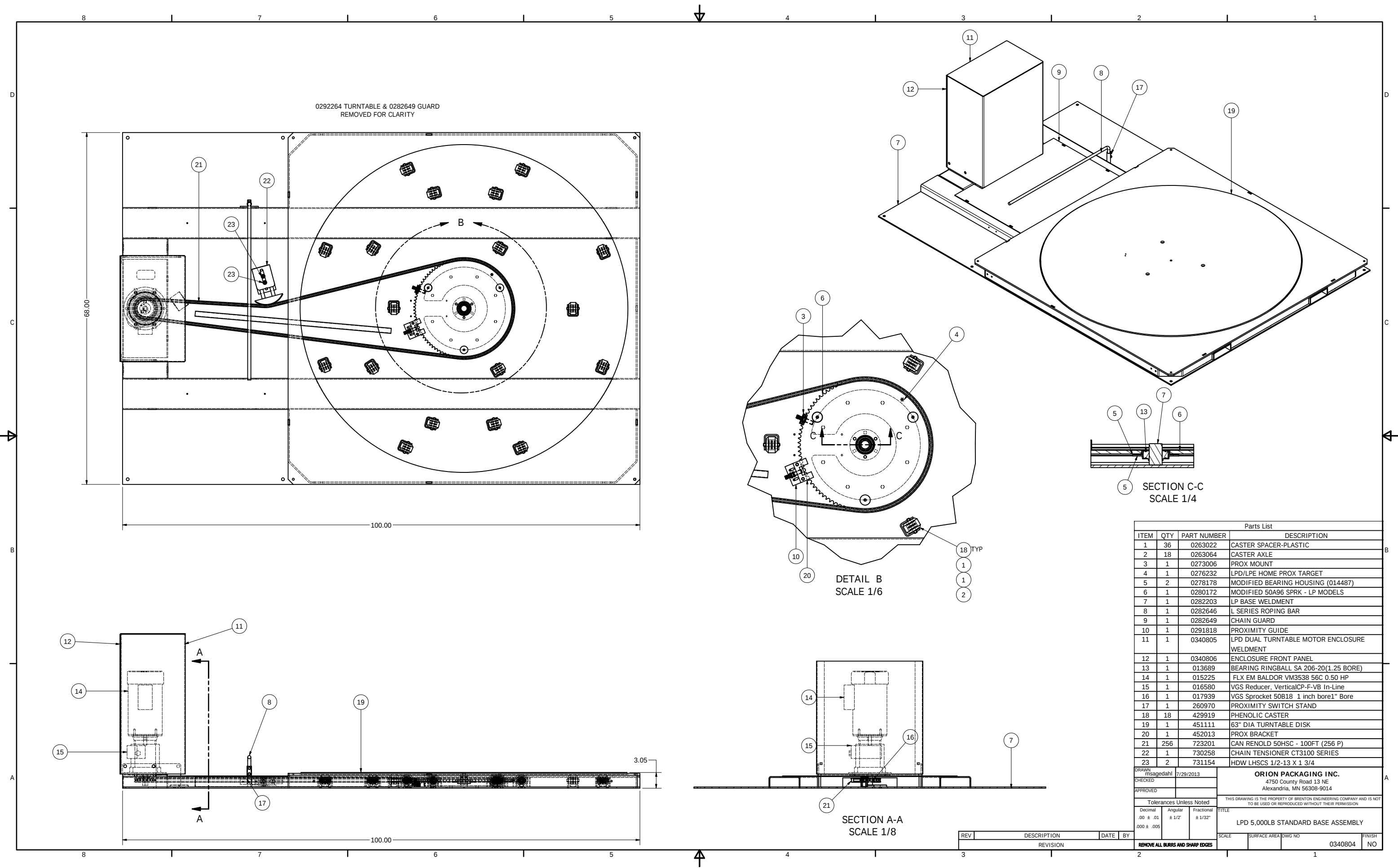
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CHECKED				
APPROVED				
Tolerances Unless Noted			THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION	
Decimal	Angular	Fractional	TITLE	
.00 ± .01	± 1/2°	± 1/32"	LPD 5,000LB STANDARD BASE ASSEMBLY	
.000 ± .005			SCALE	
REV		DESCRIPTION	DATE	BY
		REVISION		
REMOVE ALL BURRS AND SHARP EDGES			SURFACE AREA	DWG NO
			0282962	FINISH NO



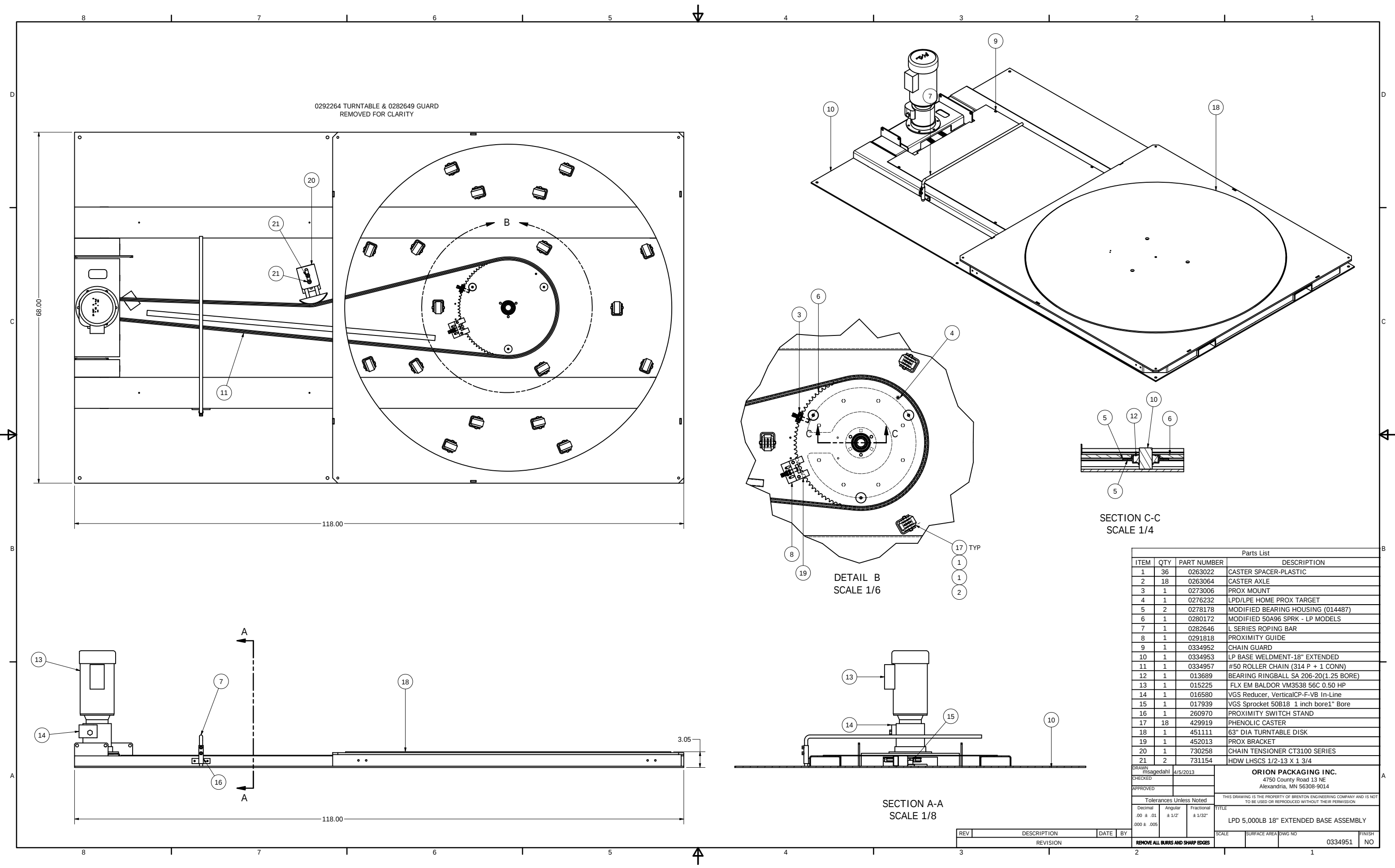
Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	36	0263022	CASTER SPACER-PLASTIC	
2	18	0263064	CASTER AXLE	
3	1	0273006	PROX MOUNT	
4	1	0276232	LPD/LPE HOME PROX TARGET	
5	2	0278178	MODIFIED BEARING HOUSING (014487)	
6	1	0280172	MODIFIED 50A96 SPRK - LP MODELS	
7	1	0282203	LP BASE WELDMENT	
8	1	0282646	L SERIES ROPING BAR	
9	1	0282649	CHAIN GUARD	
10	1	0291818	PROXIMITY GUIDE	
11	1	013689	BEARING RINGBALL SA 206-20(1.25 BORE)	
12	1	015225	FLX EM BALDOR VM3538 56C 0.50 HP	
13	1	016580	VGS Reducer, VerticalCP-F-VB In-Line	
14	1	017939	VGS Sprocket 50B18 1 inch bore1" Bore	
15	1	260970	PROXIMITY SWITCH STAND	
16	18	429919	PHENOLIC CASTER	
17	1	451111	63" DIA TURNABLE DISK	
18	1	452013	PROX BRACKET	
19	256	723201	CAN RENOLD 50HSC - 100FT (256 P)	
20	1	730258	CHAIN TENSIONER CT3100 SERIES	
21	2	731154	HDW LHSCS 1/2-13 X 1 3/4	
22	1	731609	CLH WARNER ELECTRIC BRAKE 5370-170-206	

DRAWN	msagedahl	4/4/2014	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 LPD 5,000LB BASE ASSEMBLY + BRAKE					
.00 ± .01	± 1/2°	± 1/32"						
.000 ± .005								
REMOVE ALL BURRS AND SHARP EDGES			SCALE	SURFACE AREA	DWG NO	0354331	FINISH	NO

REV	DESCRIPTION	DATE	BY
	REVISION		



Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	36	0263022	CASTER SPACER-PLASTIC	
2	18	0263064	CASTER AXLE	
3	1	0273006	PROX MOUNT	
4	1	0276232	LPD/LPE HOME PROX TARGET	
5	2	0278178	MODIFIED BEARING HOUSING (014487)	
6	1	0280172	MODIFIED 50A96 SPRK - LP MODELS	
7	1	0282203	LP BASE WELDMENT	
8	1	0282646	L SERIES ROPING BAR	
9	1	0282649	CHAIN GUARD	
10	1	0291818	PROXIMITY GUIDE	
11	1	0340805	LPD DUAL TURNTABLE MOTOR ENCLOSURE WELDMENT	
12	1	0340806	ENCLOSURE FRONT PANEL	
13	1	013689	BEARING RINGBALL SA 206-20(1.25 BORE)	
14	1	015225	FLX EM BALDOR VM3538 56C 0.50 HP	
15	1	016580	VGS Reducer, VerticalCP-F-VB In-Line	
16	1	017939	VGS Sprocket 50B18 1 inch bore1" Bore	
17	1	260970	PROXIMITY SWITCH STAND	
18	18	429919	PHENOLIC CASTER	
19	1	451111	63" DIA TURNTABLE DISK	
20	1	452013	PROX BRACKET	
21	256	723201	CAN RENOLD 50HSC - 100FT (256 P)	
22	1	730258	CHAIN TENSIONER CT3100 SERIES	
23	2	731154	HDW LHSCS 1/2-13 X 1 3/4	
DRAWN		msagadahl	7/29/2013	
CHECKED				
APPROVED				
Tolerances Unless Noted			THIS DRAWING IS THE PROPERTY OF BREXTON 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 LPD 5,000LB STANDARD BASE ASSEMBLY	
SCALE		SURFACE AREA		DWG NO
REMOVE ALL BURRS AND SHARP EDGES				0340804
				FINISH NO



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	36	0263022	CASTER SPACER-PLASTIC
2	18	0263064	CASTER AXLE
3	1	0273006	PROX MOUNT
4	1	0276232	LPD/LPE HOME PROX TARGET
5	2	0278178	MODIFIED BEARING HOUSING (014487)
6	1	0280172	MODIFIED 50A96 SPRK - LP MODELS
7	1	0282646	L SERIES ROPING BAR
8	1	0291818	PROXIMITY GUIDE
9	1	0334952	CHAIN GUARD
10	1	0334953	LP BASE WELDMENT-18" EXTENDED
11	1	0334957	#50 ROLLER CHAIN (314 P + 1 CONN)
12	1	013689	BEARING RINGBALL SA 206-20(1.25 BORE)
13	1	015225	FLX EM BALDOR VM3538 56C 0.50 HP
14	1	016580	VGS Reducer, VerticalCP-F-VB In-Line
15	1	017939	VGS Sprocket 50B18 1 inch bore1" Bore
16	1	260970	PROXIMITY SWITCH STAND
17	18	429919	PHENOLIC CASTER
18	1	451111	63" DIA TURNTABLE DISK
19	1	452013	PROX BRACKET
20	1	730258	CHAIN TENSIONER CT3100 SERIES
21	2	731154	HDW LHSCS 1/2-13 X 1 3/4

DRAWN
msagedahl

CHECKED

APPROVED

4/5/2013

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
LPD 5,000LB 18" EXTENDED BASE ASSEMBLY

Tolerances Unless Noted

Decimal
.00 ± .01
.000 ± .005

Angular
± 1/2°

Fractional
± 1/32"

SCALE

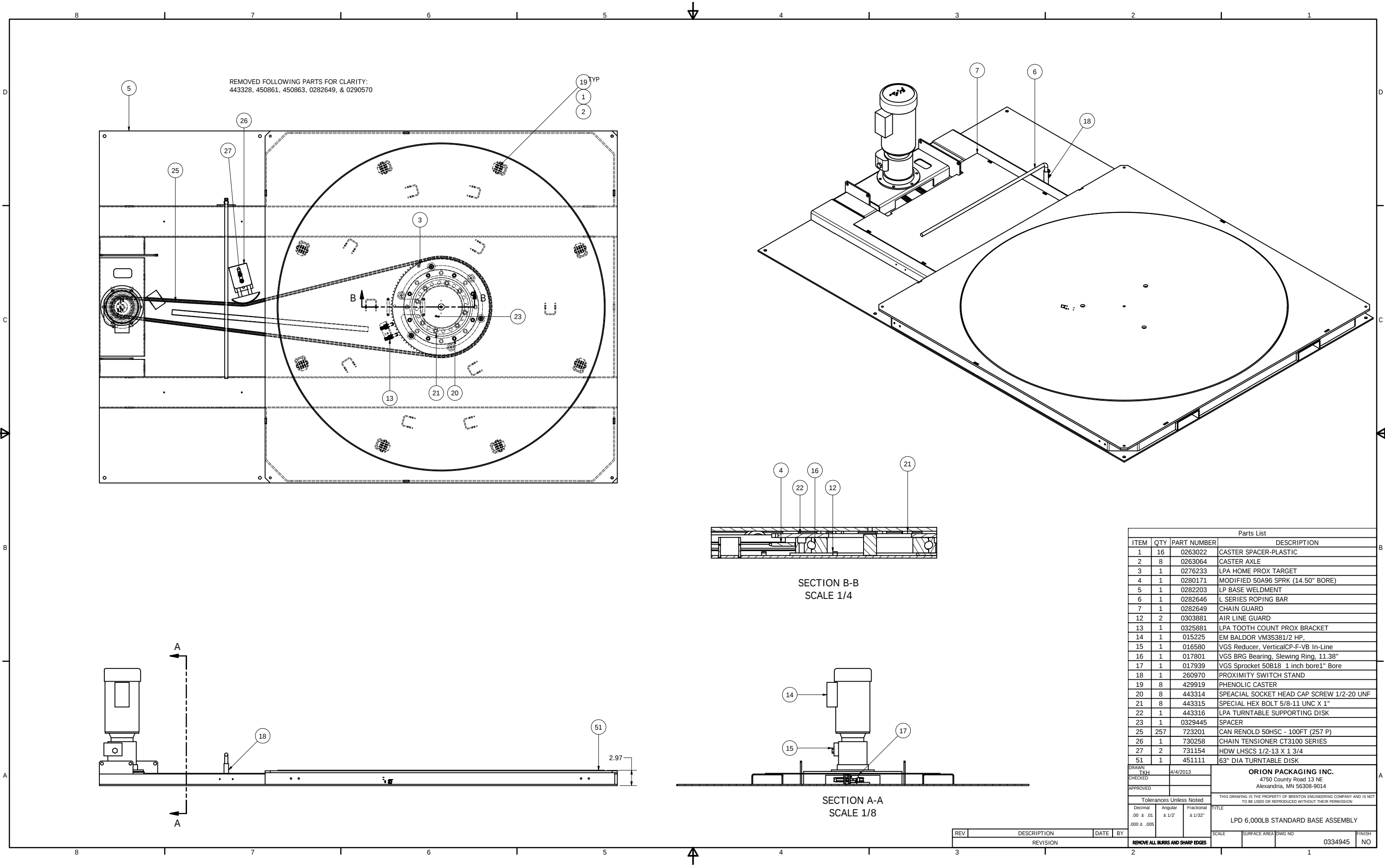
SURFACE AREA

DWG NO

0334951

FINISH
NO

REV	DESCRIPTION	DATE	BY
	REVISION		

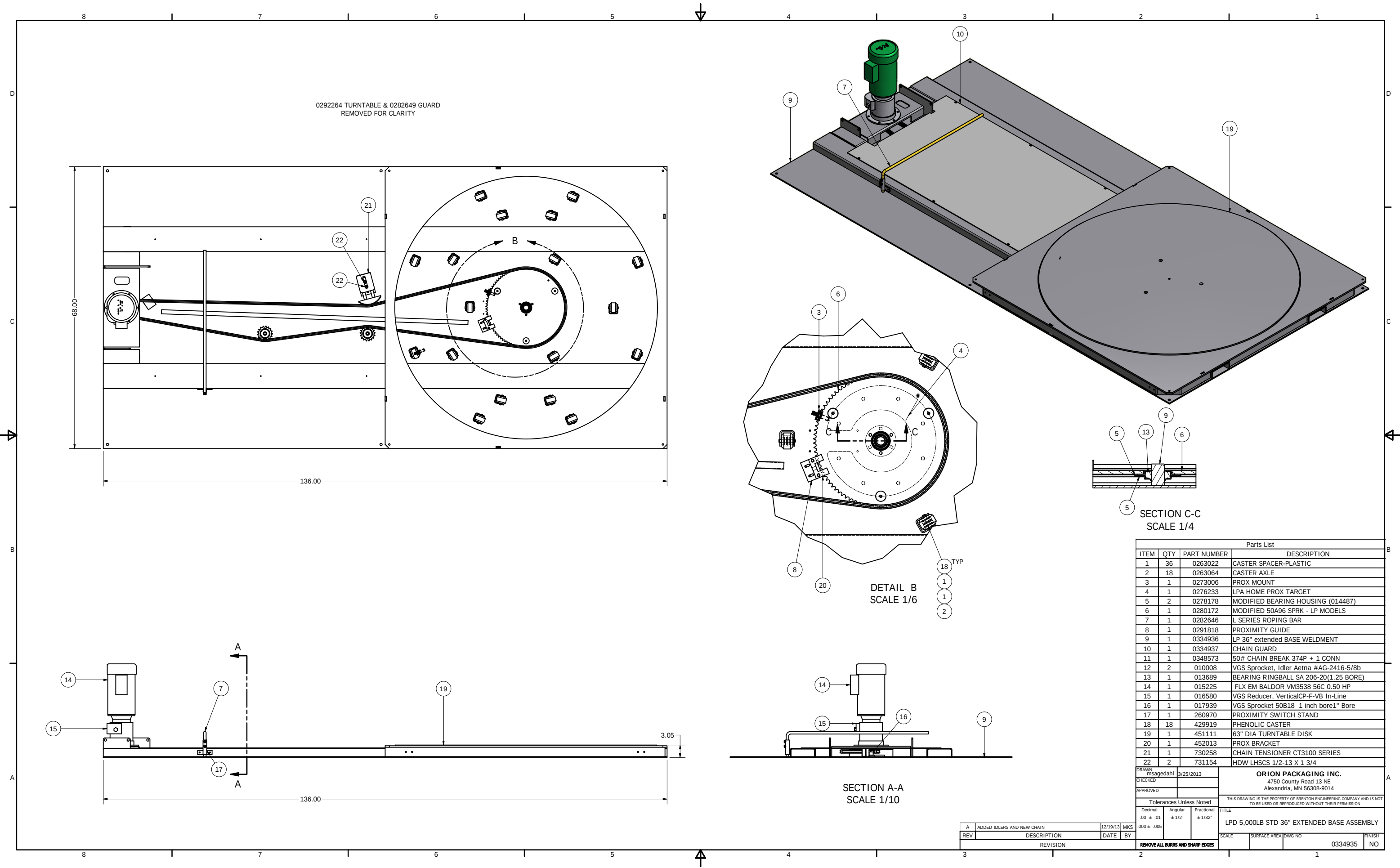


REMOVED FOLLOWING PARTS FOR CLARITY:
443328, 450861, 450863, 0282649, & 0290570

SECTION B-B
SCALE 1/4

SECTION A-A
SCALE 1/8

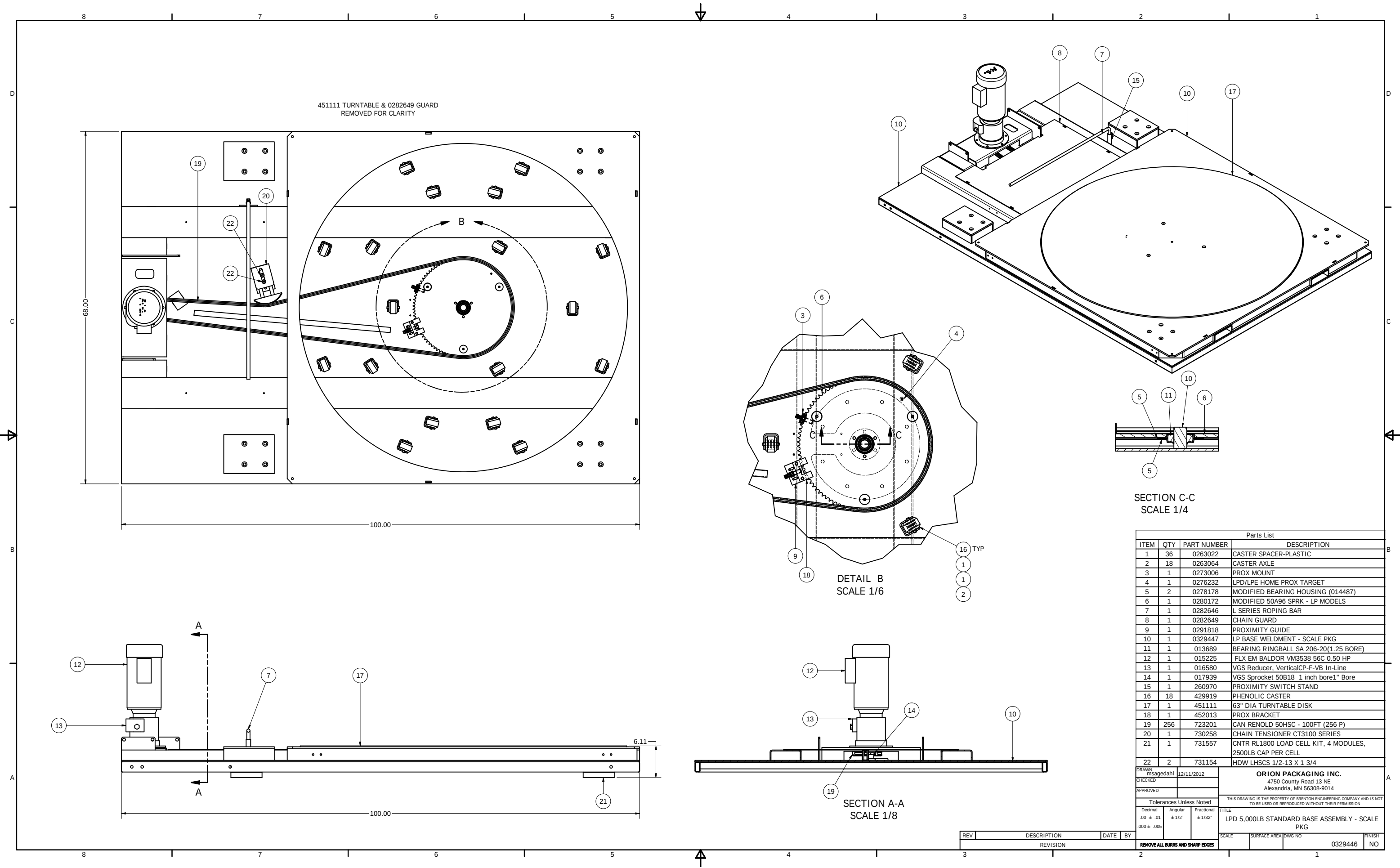
Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	16	0263022	CASTER SPACER-PLASTIC	
2	8	0263064	CASTER AXLE	
3	1	0276233	LPA HOME PROX TARGET	
4	1	0280171	MODIFIED 50A96 SPRK (14.50" BORE)	
5	1	0282203	LP BASE WELDMENT	
6	1	0282646	L SERIES ROPING BAR	
7	1	0282649	CHAIN GUARD	
12	2	0303881	AIR LINE GUARD	
13	1	0325881	LPA TOOTH COUNT PROX BRACKET	
14	1	015225	EM BALDOR VM35381/2 HP,	
15	1	016580	VGS Reducer, VerticalCP-F-VB In-Line	
16	1	017801	VGS BRG Bearing, Slewing Ring, 11.38"	
17	1	017939	VGS Sprocket 50B18 1 inch bore1" Bore	
18	1	260970	PROXIMITY SWITCH STAND	
19	8	429919	PHENOLIC CASTER	
20	8	443314	SPECIAL SOCKET HEAD CAP SCREW 1/2-20 UNF	
21	8	443315	SPECIAL HEX BOLT 5/8-11 UNC X 1"	
22	1	443316	LPA TURNTABLE SUPPORTING DISK	
23	1	0329445	SPACER	
25	257	723201	CAN RENOLD 50HSC - 100FT (257 P)	
26	1	730258	CHAIN TENSIONER CT3100 SERIES	
27	2	731154	HDW LHSCS 1/2-13 X 1 3/4	
51	1	451111	63" DIA TURNTABLE DISK	
DRAWN TKH			4/4/2013	
CHECKED				
APPROVED				
Tolerances Unless Noted				
Decimal	Angular	Fractional		
.00 ± .01	± 1/2°	± 1/32"		
.000 ± .005				
REV			DESCRIPTION	DATE BY
			REVISION	
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			LPD 6,000LB STANDARD BASE ASSEMBLY	
SCALE			SURFACE AREA	DWG NO
			0334945	FINISH NO

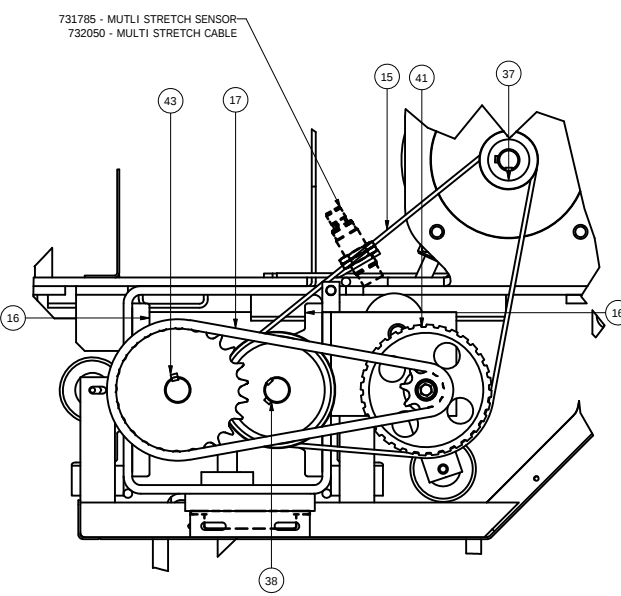


Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	36	0263022	CASTER SPACER-PLASTIC	
2	18	0263064	CASTER AXLE	
3	1	0273006	PROX MOUNT	
4	1	0276233	LPA HOME PROX TARGET	
5	2	0278178	MODIFIED BEARING HOUSING (014487)	
6	1	0280172	MODIFIED 50A96 SPRK - LP MODELS	
7	1	0282646	L SERIES ROPING BAR	
8	1	0291818	PROXIMITY GUIDE	
9	1	0334936	LP 36" extended BASE WELDMENT	
10	1	0334937	CHAIN GUARD	
11	1	0348573	50# CHAIN BREAK 374P + 1 CONN	
12	2	010008	VGS Sprocket, Idler Aetna #AG-2416-5/8b	
13	1	013689	BEARING RINGBALL SA 206-20(1.25 BORE)	
14	1	015225	FLX EM BALDOR VM3538 56C 0.50 HP	
15	1	016580	VGS Reducer, VerticalCP-F-VB In-Line	
16	1	017939	VGS Sprocket 50B18 1 inch bore1" Bore	
17	1	260970	PROXIMITY SWITCH STAND	
18	18	429919	PHENOLIC CASTER	
19	1	451111	63" DIA TURNTABLE DISK	
20	1	452013	PROX BRACKET	
21	1	730258	CHAIN TENSIONER CT3100 SERIES	
22	2	731154	HDW LHSCS 1/2-13 X 1 3/4	

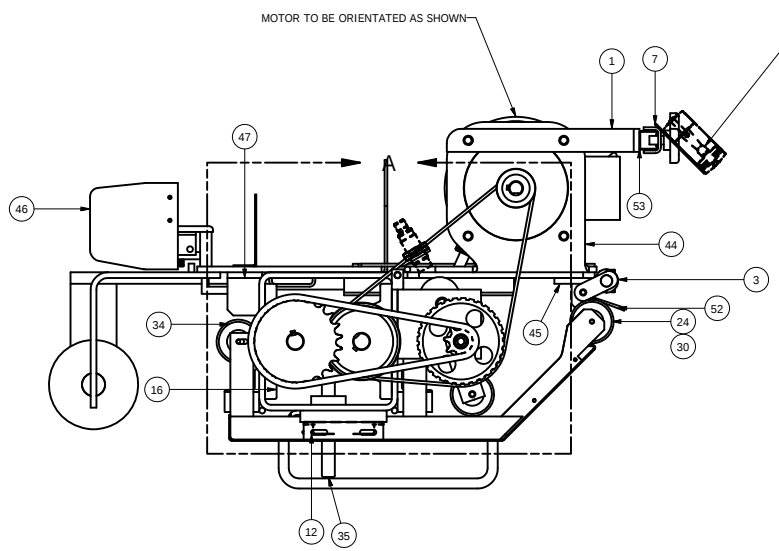
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APPROVED				
Tolerances Unless Noted		THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION		
Decimal .00 ± .01 0.00 ± .005	Angular ± 1/2° ± 1/32°	Fractional ± 1/32"	TITLE LPD 5,000LB STD 36" EXTENDED BASE ASSEMBLY	
SCALE	SURFACE AREA	DWG NO	0334935	FINISH NO

REV	DESCRIPTION	DATE	BY
A	ADDED IDLERS AND NEW CHAIN	12/19/13	MKS
REVISION			



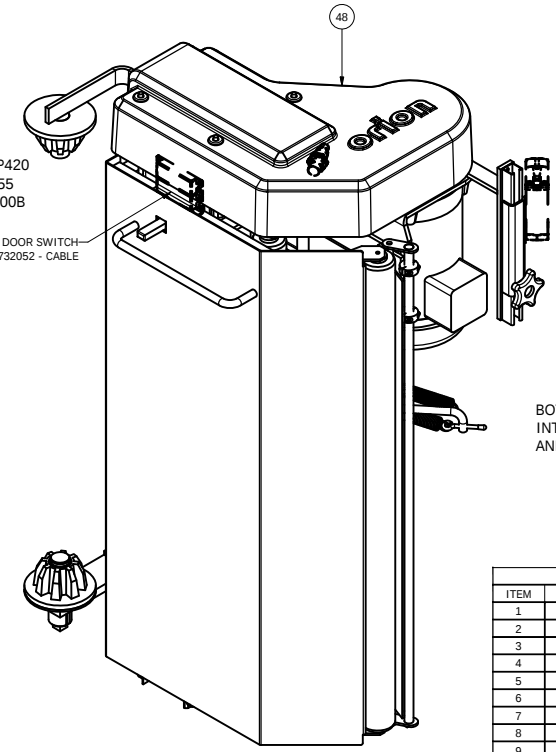


DETAIL A
SCALE 3/8



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

732054 - DOOR SWITCH
732052 - CABLE



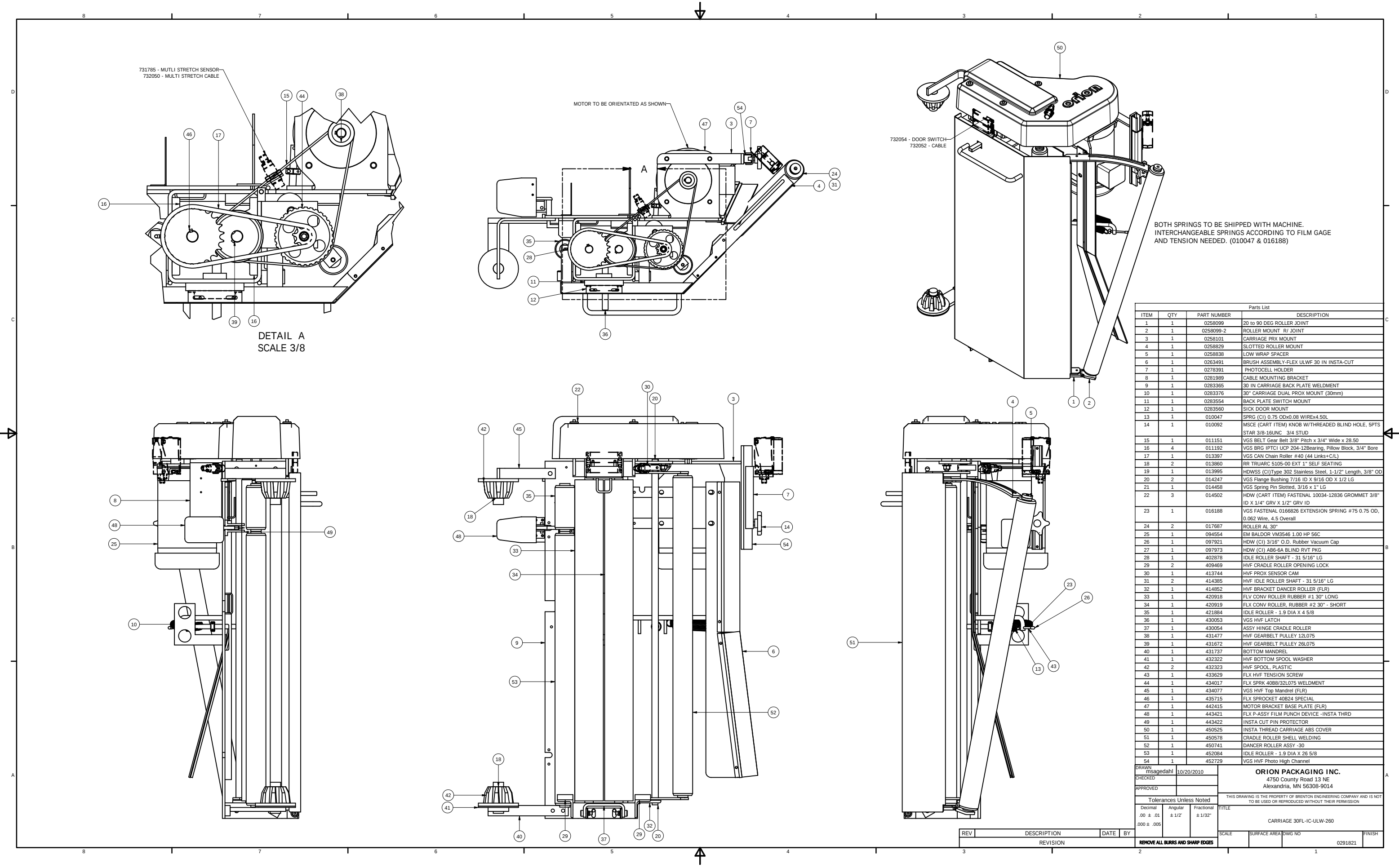
BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE SPRINGS ACCORDING TO FILM GAGE
AND TENSION NEEDED. (010047 & 016188)

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 FINISH
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

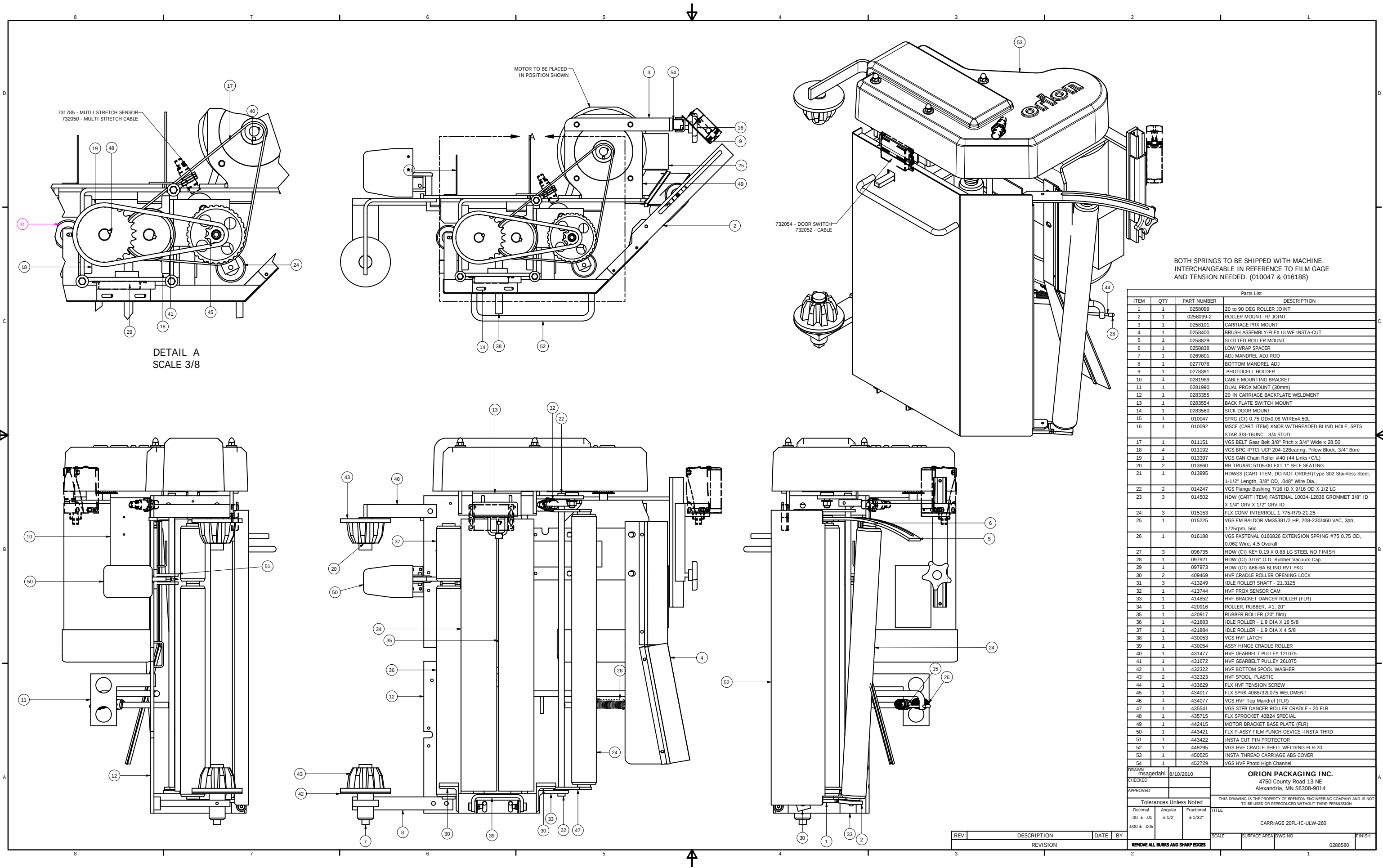
REV	DESCRIPTION	DATE	BY
REVISION			



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

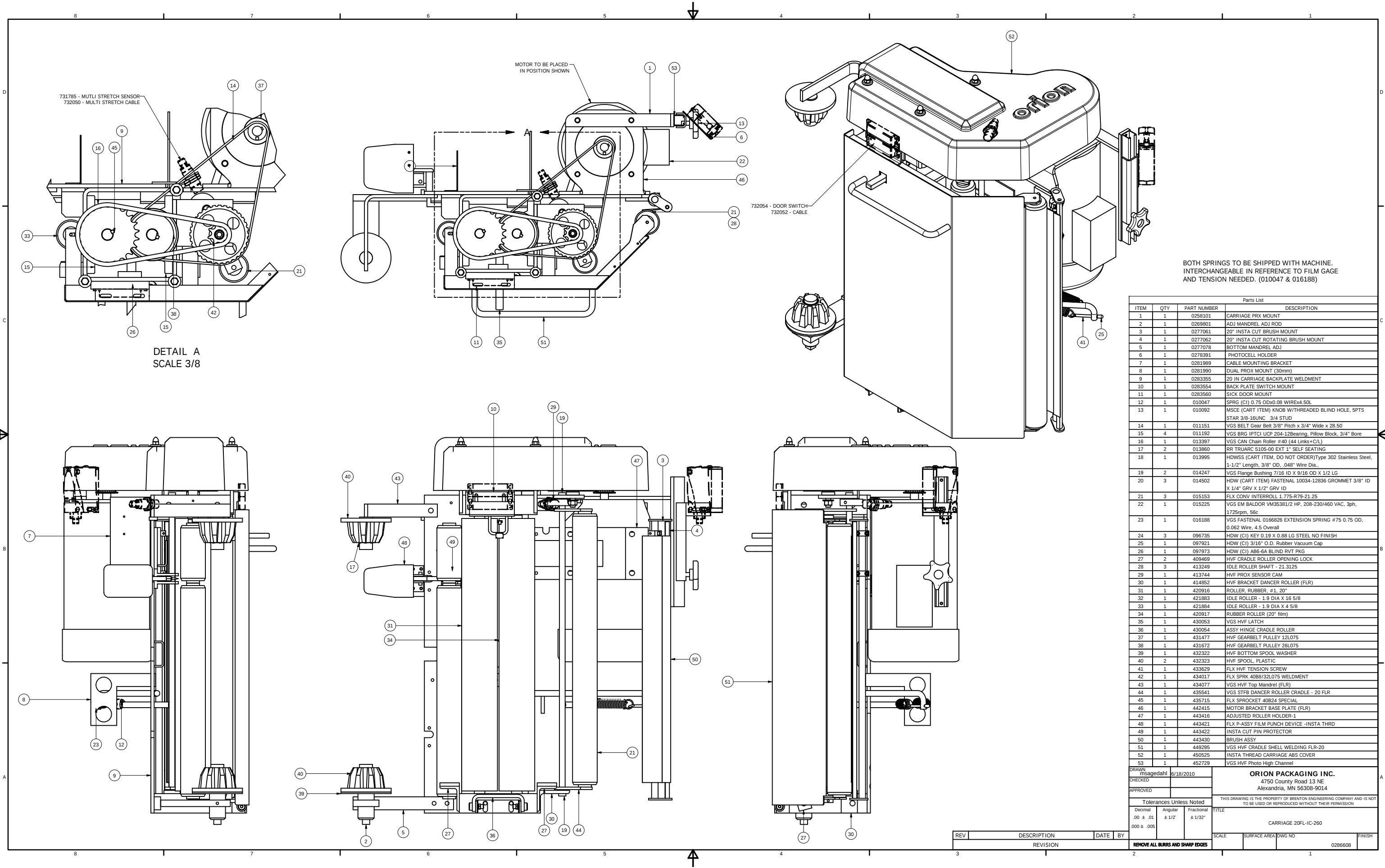
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0258099	20 to 90 DEG ROLLER JOINT
2	1	0258099-2	ROLLER MOUNT R/ JOINT
3	1	0258101	CARRIAGE PRX MOUNT
4	1	0258829	SLOTTED ROLLER MOUNT
5	1	0258838	LOW WRAP SPACER
6	1	0263491	BRUSH ASSEMBLY-FLEX ULWF 30 IN INSTA-CUT
7	1	0278391	PHOTOCELL HOLDER
8	1	0281989	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	

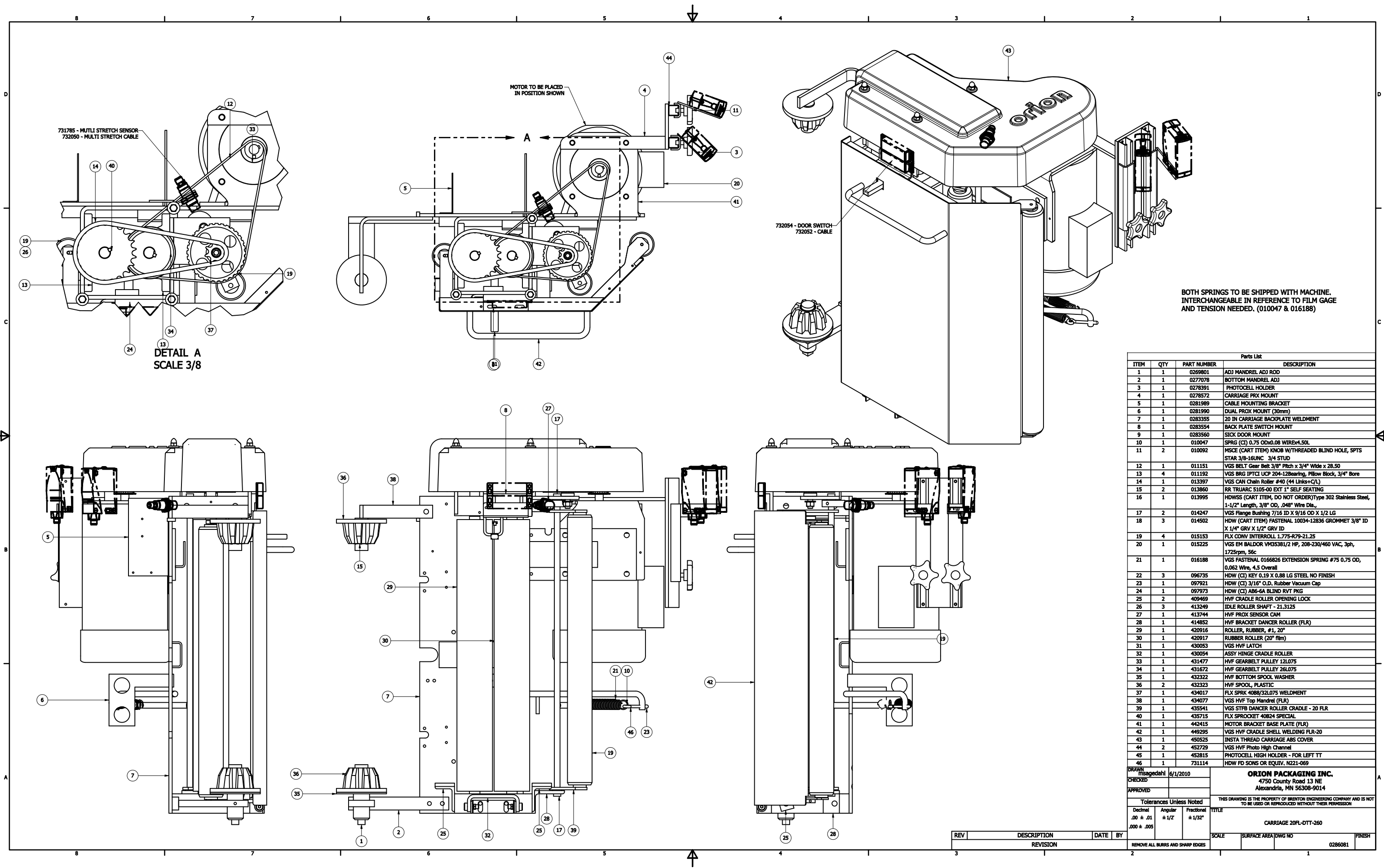
DRAWN msagedahl	8/10/2010	ORION PACKAGING INC. 4750 County Road 13 NE Alexandria, MN 56308-9014				
CHECKED						
APPROVED						
Tolerances Unless Noted		THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION				
Decimal ± .01 000 ± .005	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	



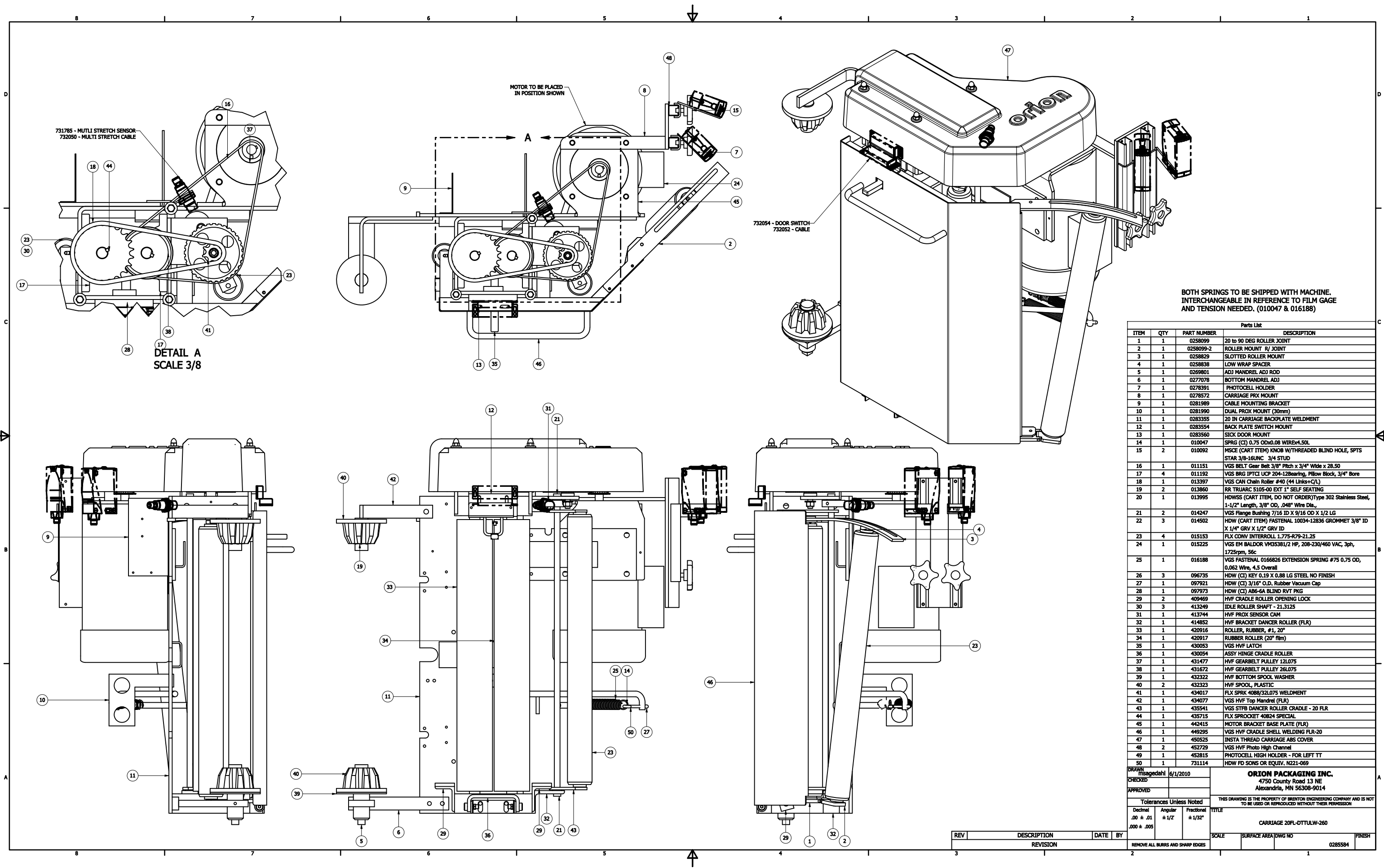
BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE IN REFERENCE TO FILM GAGE
AND TENSION NEEDED. (010047 & 016188)

Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	0258101	CARRIAGE 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 VM353811/2 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	



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

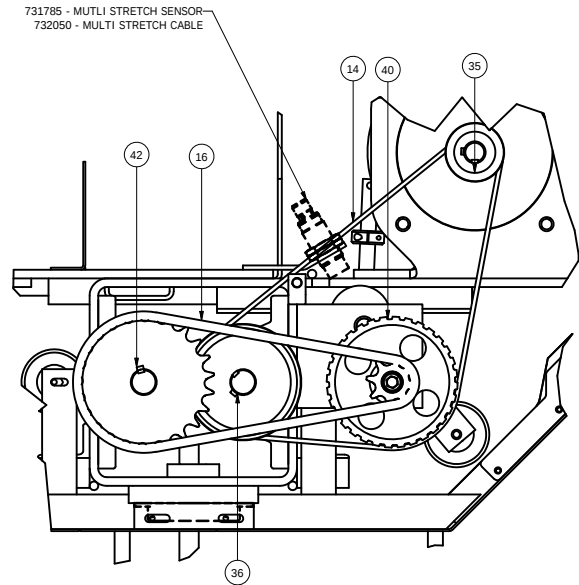


BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE IN REFERENCE TO FILM GAGE
AND TENSION NEEDED. (010047 & 016188)

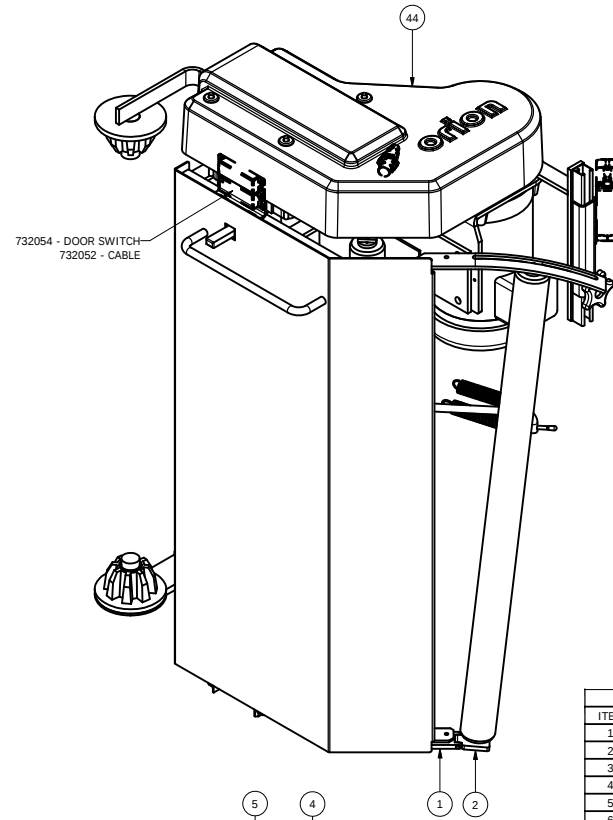
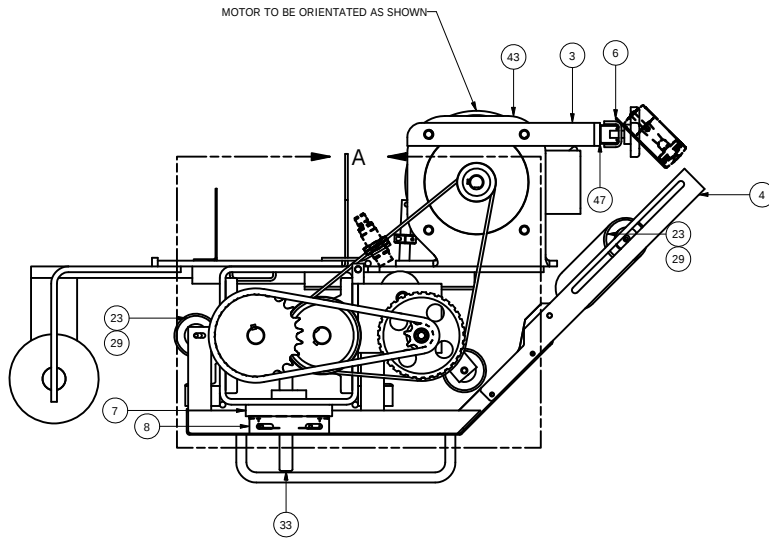
Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	0258099	20 to 90 DEG ROLLER JOINT	
2	1	0258099-2	ROLLER MOUNT R/ JOINT	
3	1	0258829	SLOTTED ROLLER MOUNT	
4	1	0258838	LOW WRAP SPACER	
5	1	0269801	ADJ MANDREL ADJ ROD	
6	1	0277078	BOTTOM MANDREL ADJ	
7	1	0278391	PHOTOCELL HOLDER	
8	1	0278572	CARRIAGE 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

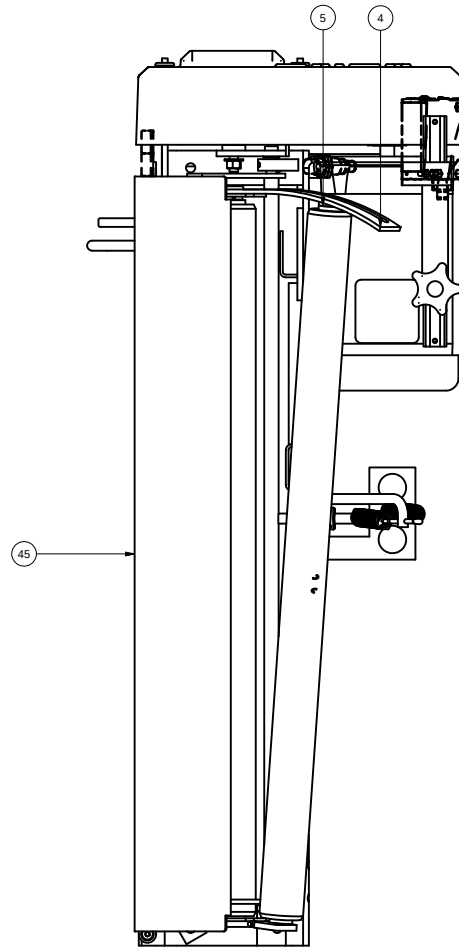
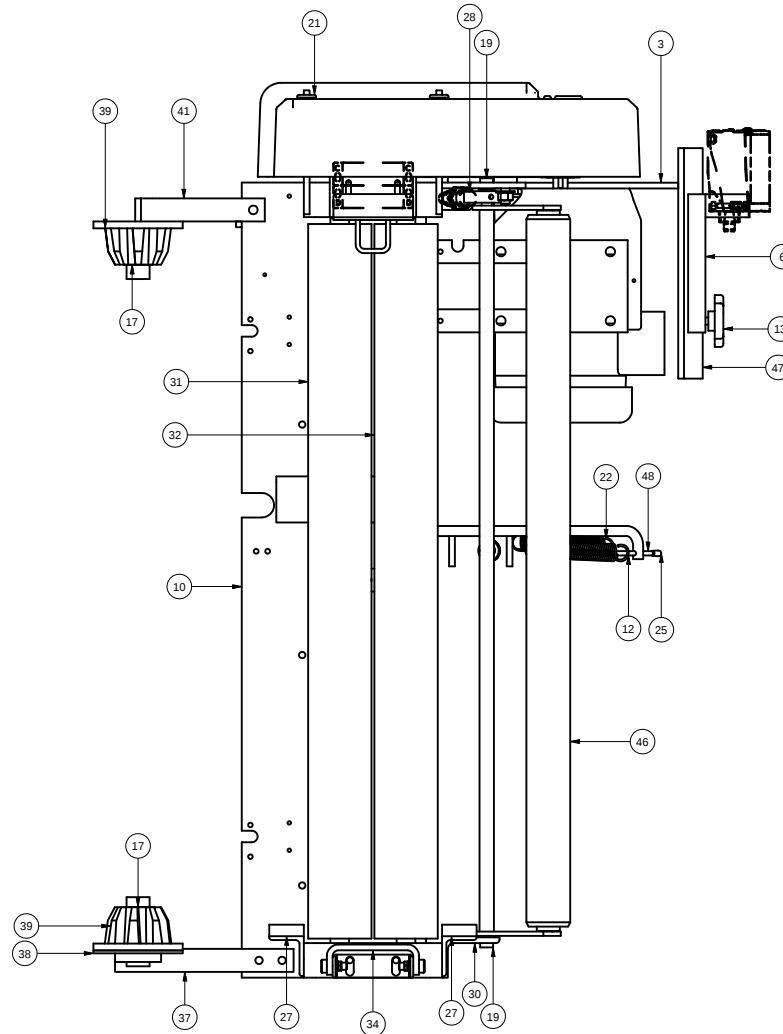
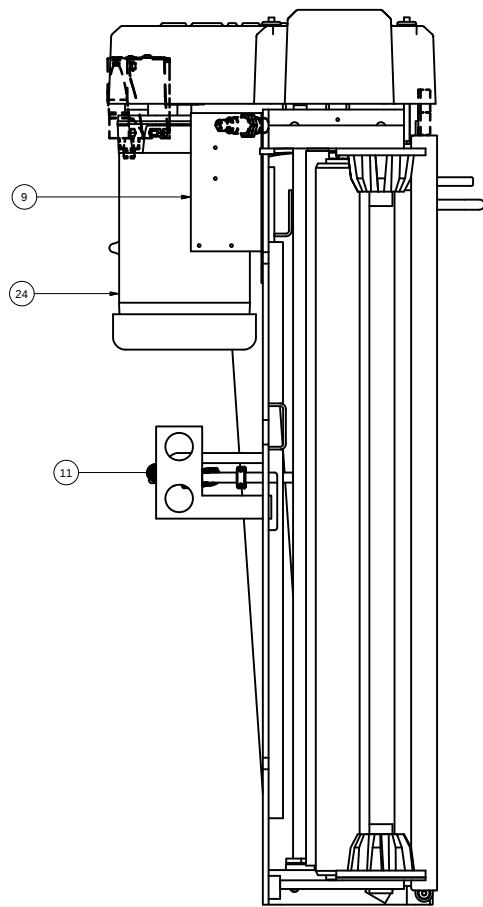
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0258099	20 to 90 DEG ROLLER JOINT
2	1	0258099-2	ROLLER MOUNT R/ JOINT
3	1	0258829	SLOTTED ROLLER MOUNT
4	1	0258838	LOW WRAP SPACER
5	1	0269801	ADJ MANDREL ADJ ROD
6	1	0277078	BOTTOM MANDREL ADJ
7	1	0278391	PHOTOCELL HOLDER
8	1	0278572	CARRIAGE PRX MOUNT
9	1	0281989	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)
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



DETAIL A
SCALE 3/8

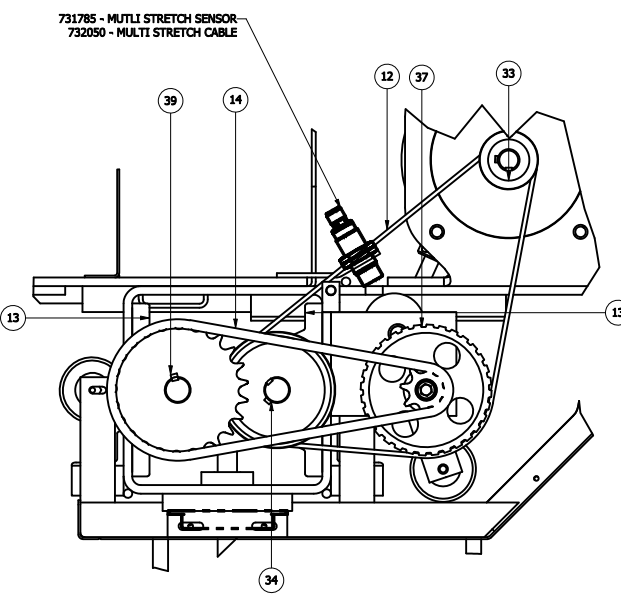


BOTH SPRINGS TO BE SHIPPED WITH MACHINE.
INTERCHANGEABLE SPRINGS ACCORDING TO FILM GAGE
AND TENSION NEEDED. (010047 & 016188)

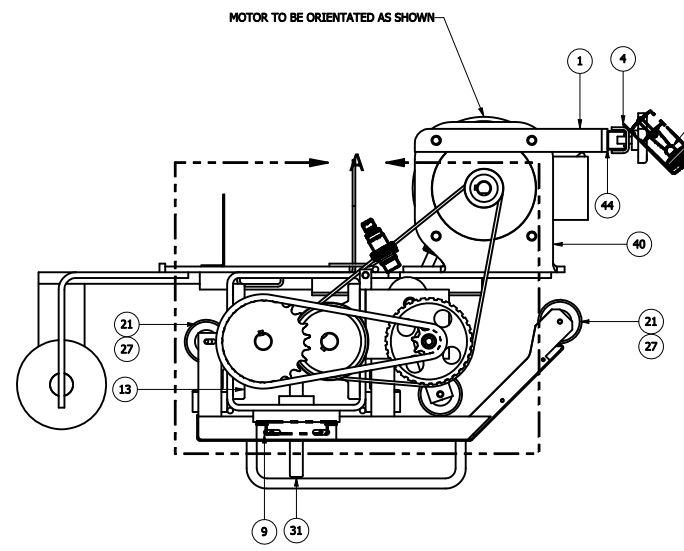


Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0258099	20 to 90 DEG ROLLER JOINT
2	1	0258099-2	ROLLER MOUNT R/ JOINT
3	1	0258101	CARRIAGE PRX MOUNT
4	1	0258829	SLOTTED ROLLER MOUNT
5	1	0258838	LOW WRAP SPACER
6	1	0278391	PHOTOCELL HOLDER
7	1	0283554	BACK PLATE SWITCH MOUNT
8	1	0283560	SICK DOOR MOUNT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

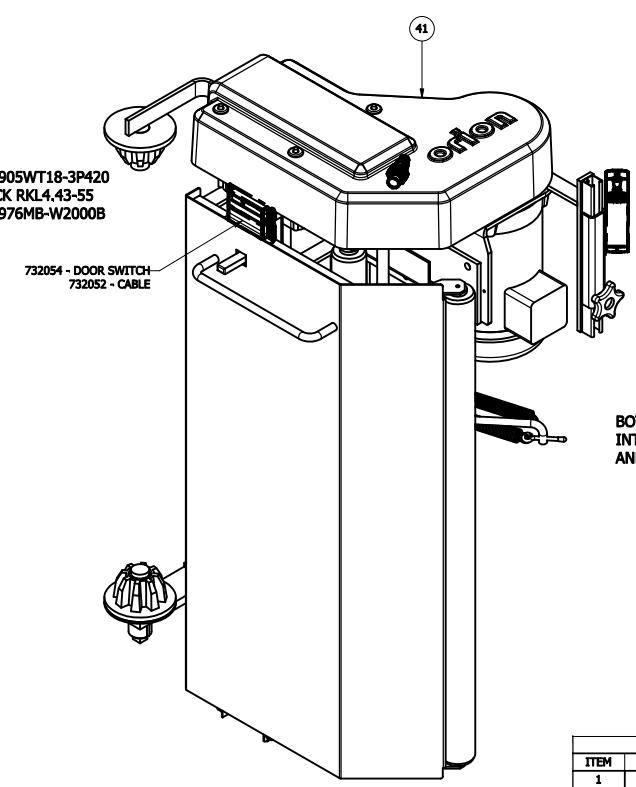
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CHECKED			
APPROVED		THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION	
Tolerances Unless Noted		TITLE	
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	CARRIAGE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



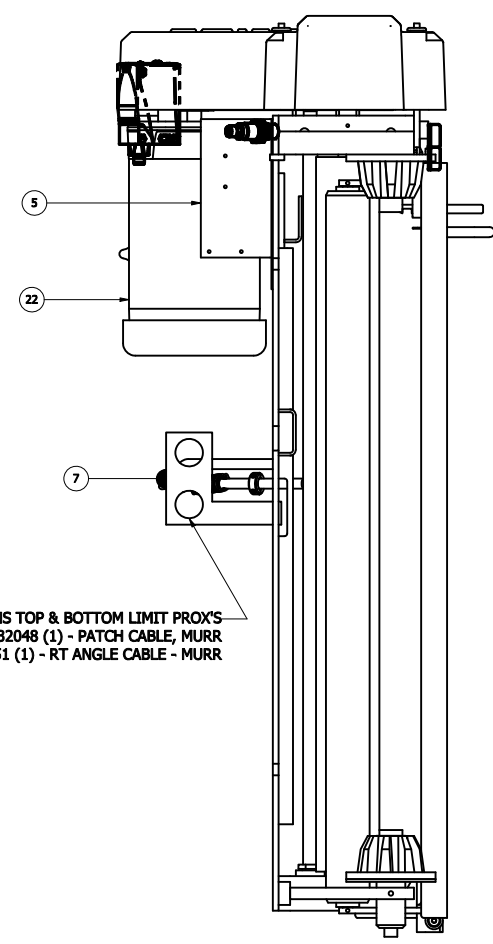
DETAIL A
SCALE 3/8



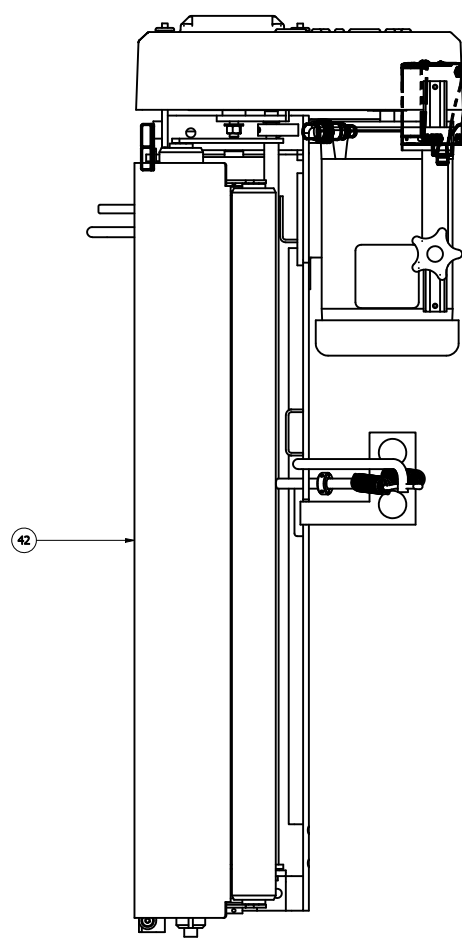
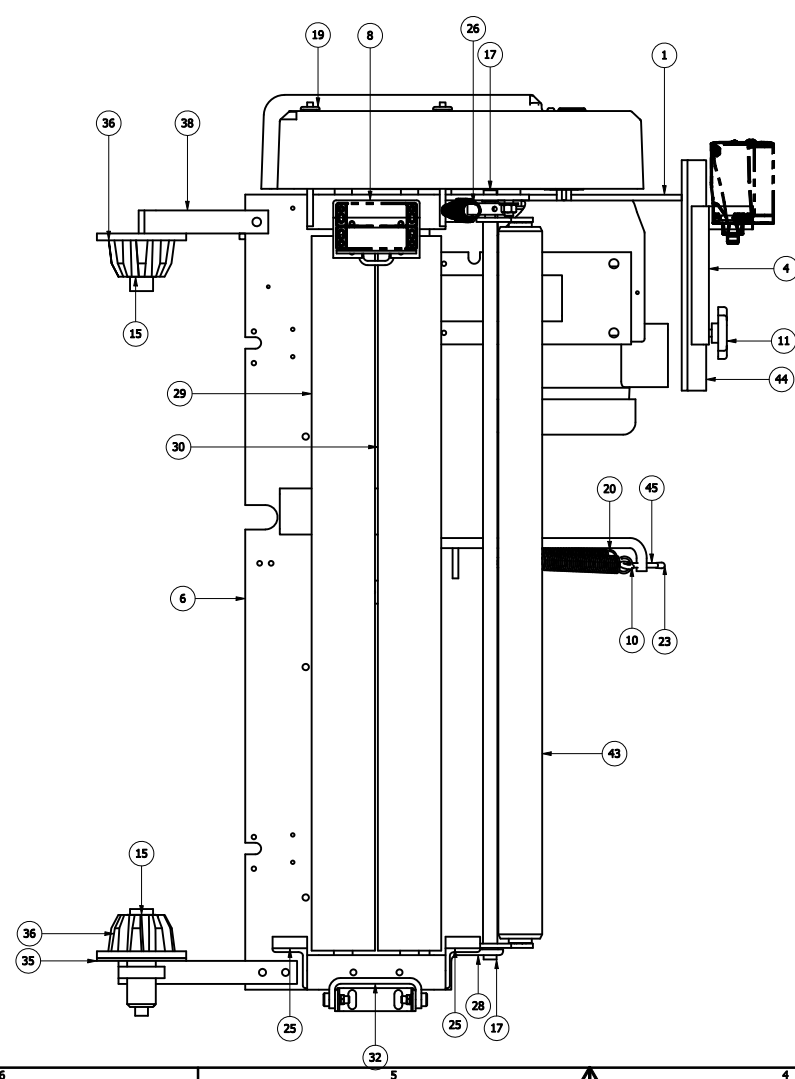
729603 - SENS 1025905WT18-3P420
729580 - SENS TURCK RKL4.43-55
716301 - SENS 7022976MB-W2000B



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



731955 (2) - SENS TOP & BOTTOM LIMIT 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, 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 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 ROLLER 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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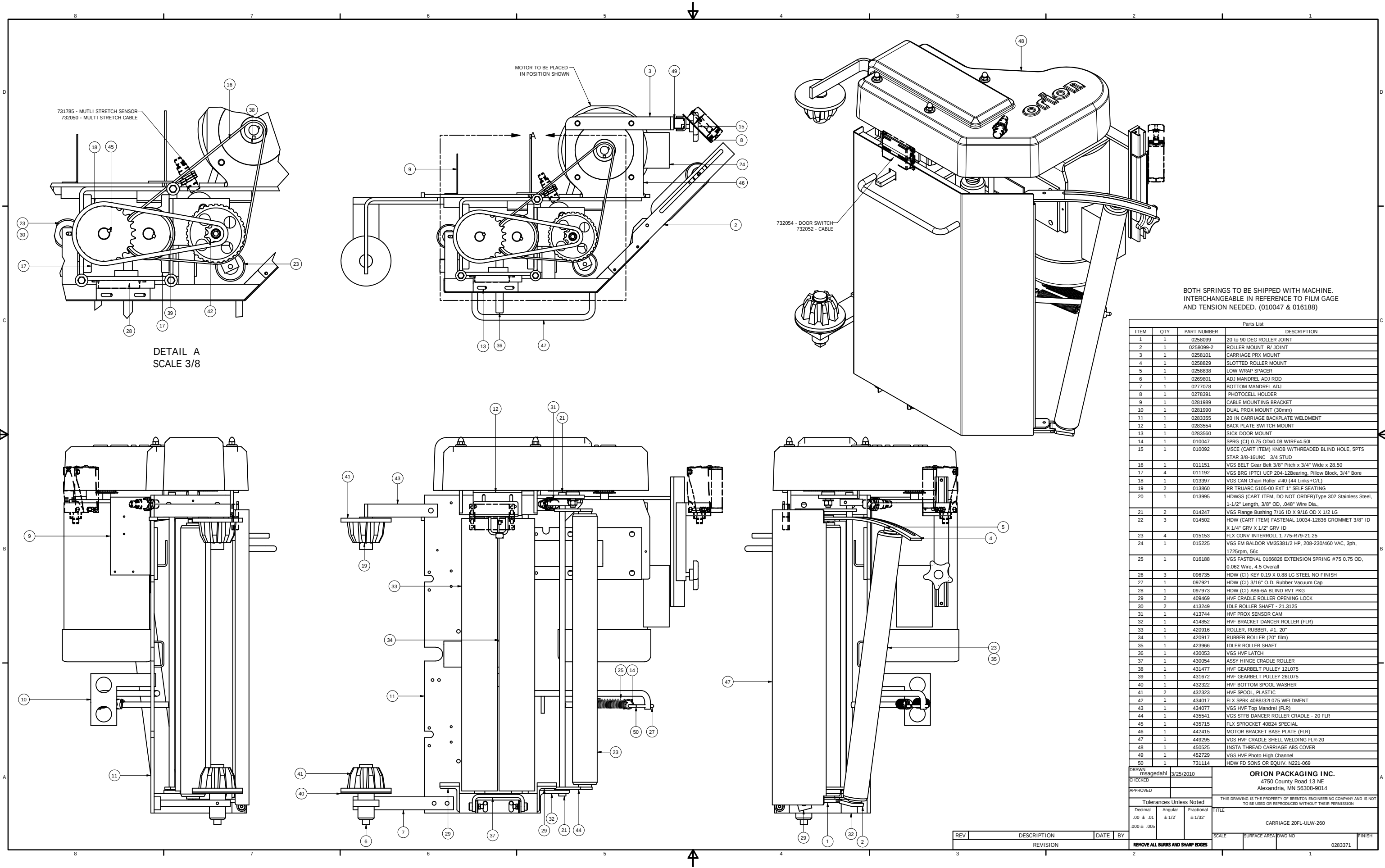
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TITLE
CARRIAGE 30FL-260

SCALE
SURFACE AREA (DWG NO)
0283380

FINISH

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



Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	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
CHECKED
APPROVED

msagedahl
3/25/2010

Tolerances Unless Noted

Decimal
.00 ± .01
0.00 ± .005

Angular
± 1/2°

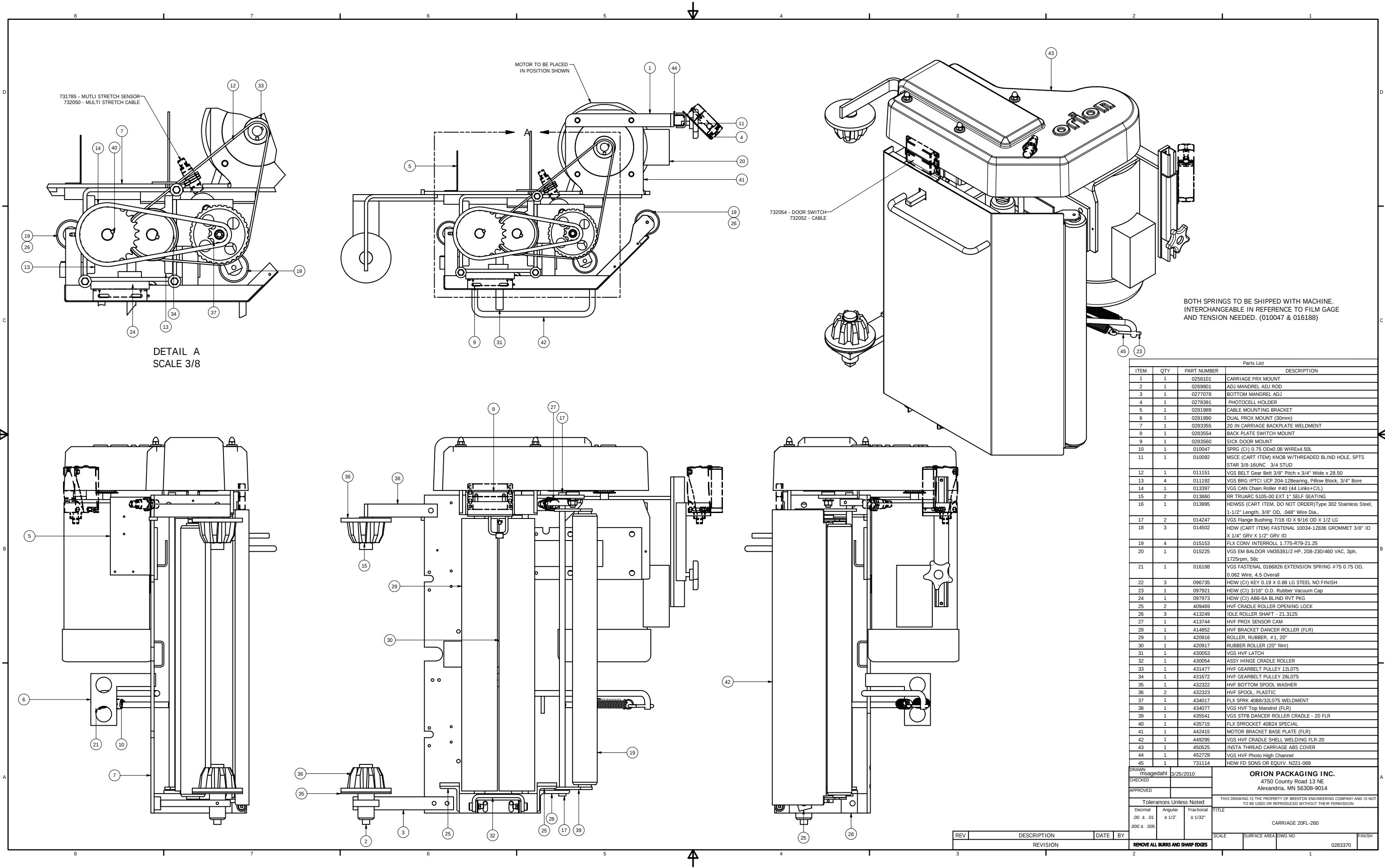
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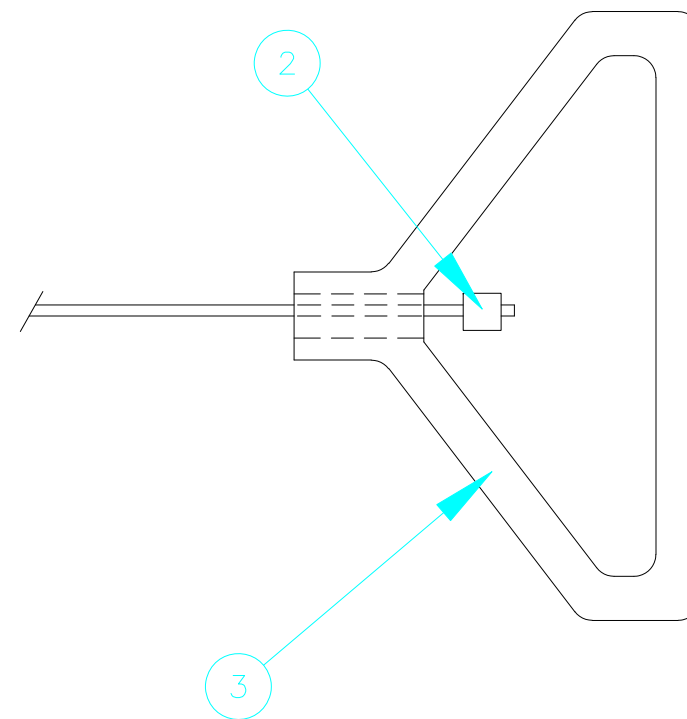
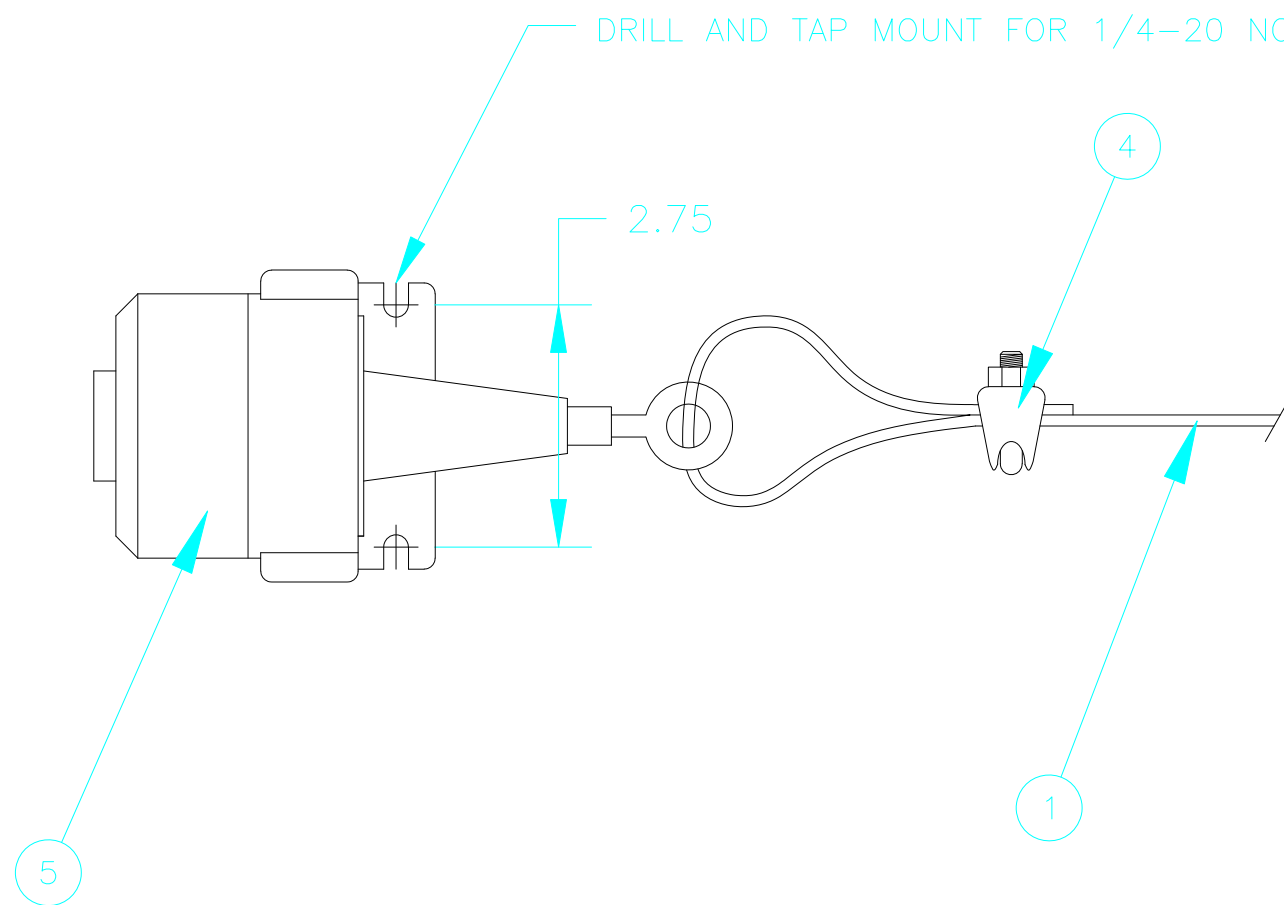
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TITLE
CARRIAGE 20FL-ULW-260

SCALE
SURFACE AREA
DWG NO
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.

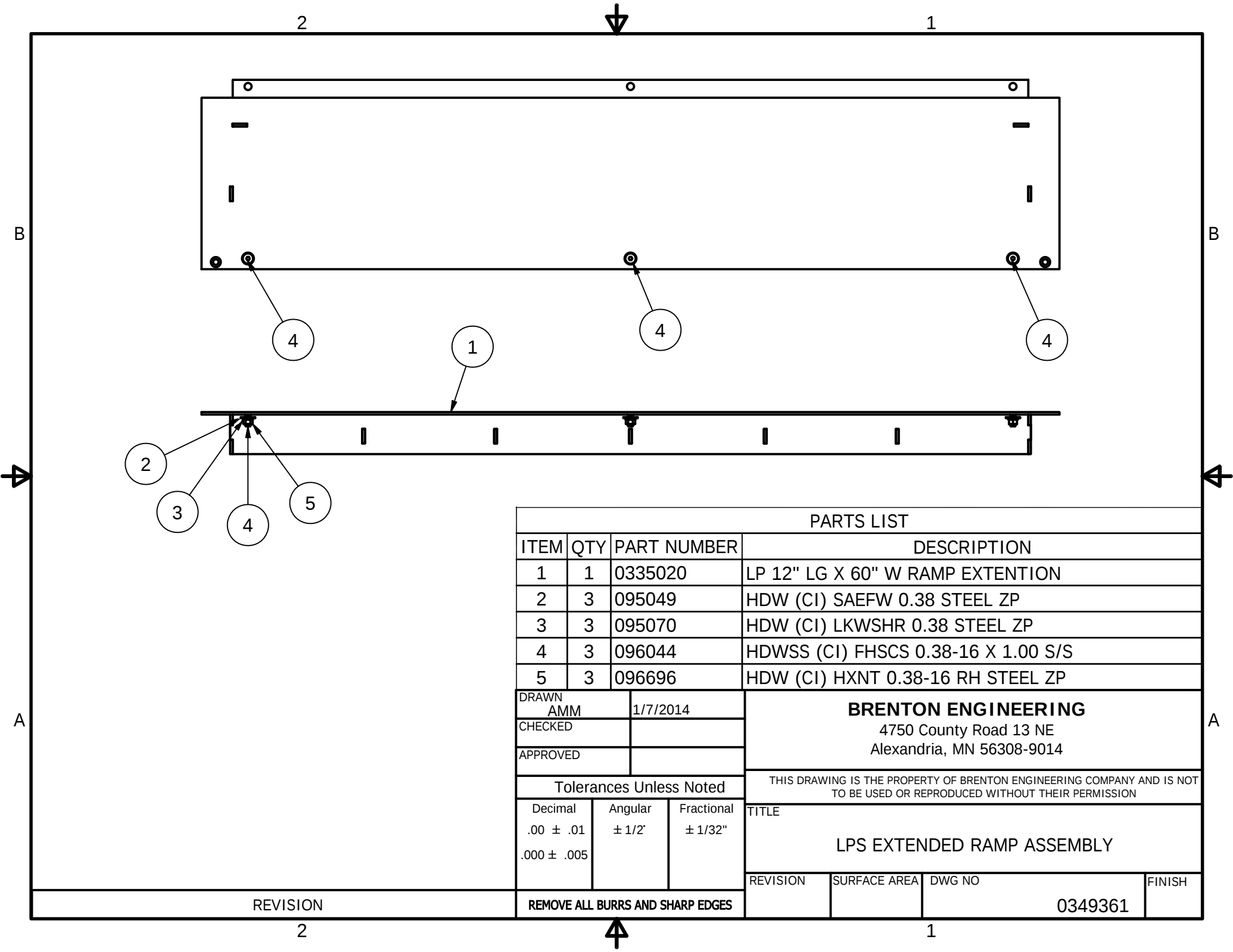
1	727766	1	EA	MISC MCMASTER 9018T11-RED-251/8" WIRE ROPER W/RED VINYL COATING 25 FT SECTION
2	727767	1	EA	MISC MCMASTER 3914T3STOP COLLAR FOR 1/8" WIRE ROPE (PKG OF 50)
3	727769	1	EA	MISC MFGSUPPLY.COM 25-7723LANYARD PULL HANDLE
4	727798	1	EA	MISC MCMASTER 30325T26WIRE ROPE CLIP 1/8"
5	017065	1	EA	VGS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

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AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION

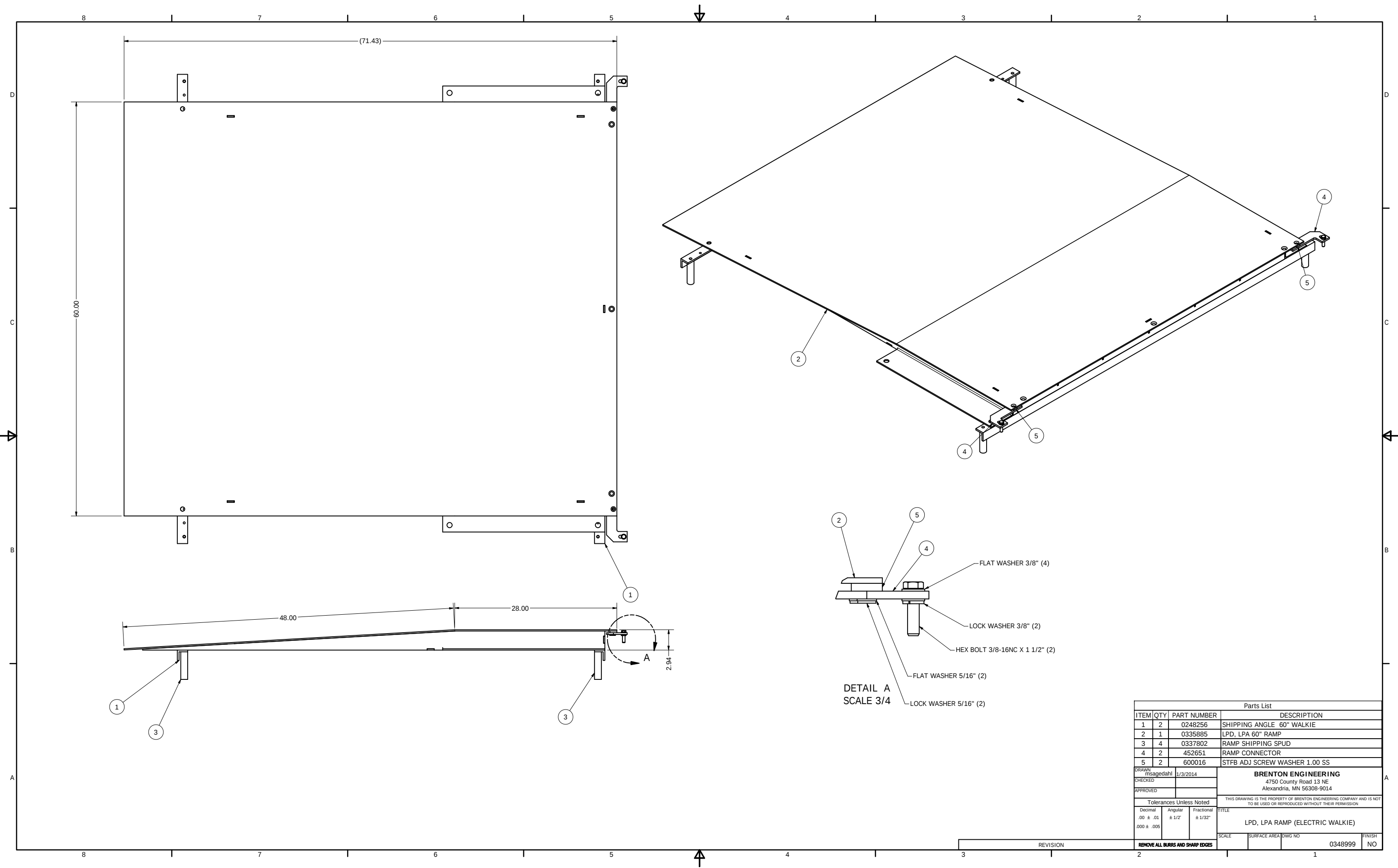
Tolerances Unless Noted	 4750 County Road 13 NE Alexandria, MN 56308-9014		
DECIMAL .00 ± .01 .000 ± .005	KIT REMOTE LANYARD		
FRACTIONAL ±1/32"	DRAWN BY: <i>jnori</i>	APPROVED BY:	SCALE: 1/2=1
ANGULAR ± 1/2°	Finish:	REMOVE ALL BURRS AND SHARP EDGES	DATE: 1/15/08
			Drawing No: D0244789

No.	ECO #	Description	Date	By
REVISION				

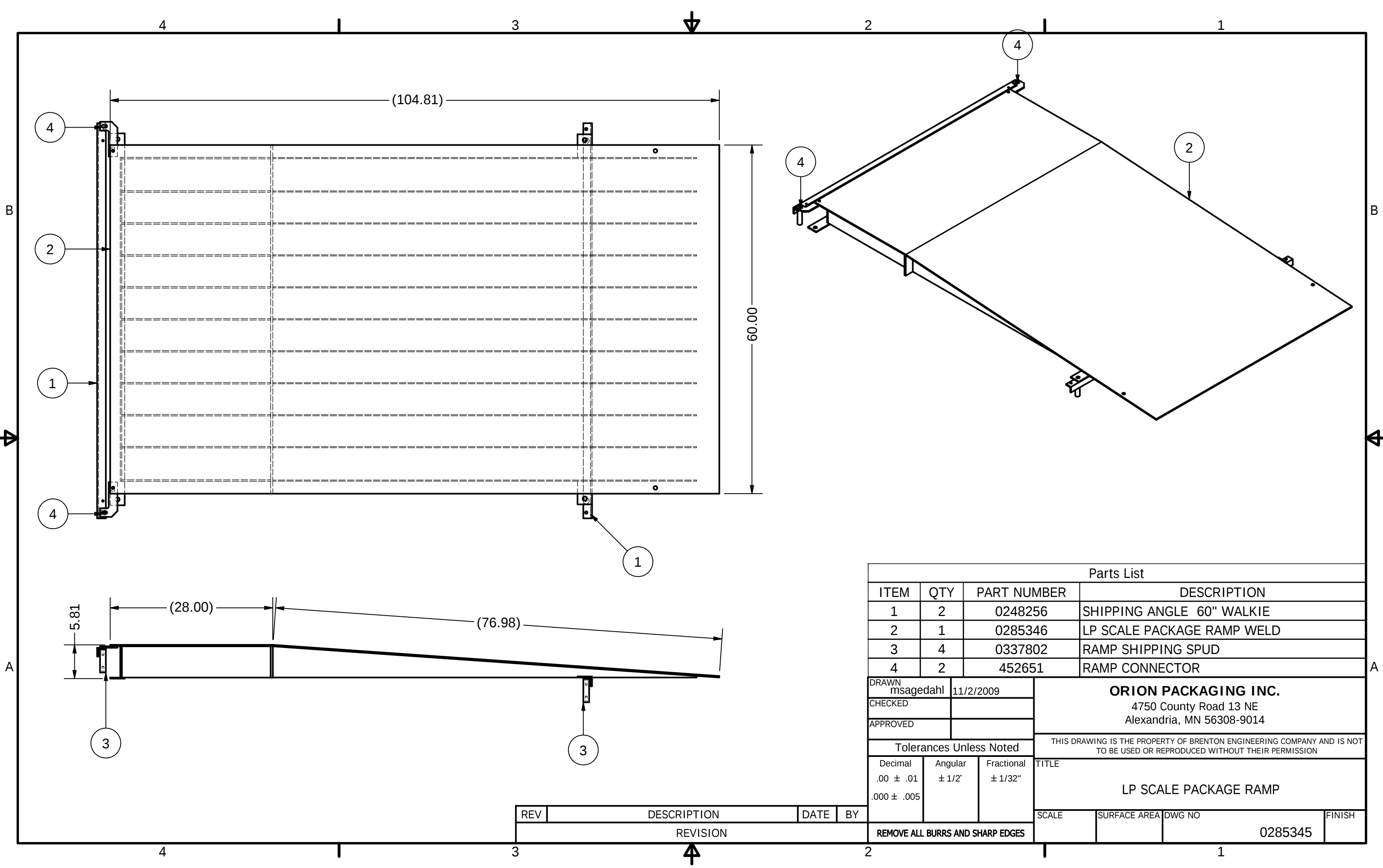
Surface Area:



PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	0335020	LP 12" LG X 60" W RAMP EXTENTION	
2	3	095049	HDW (CI) SAEFW 0.38 STEEL ZP	
3	3	095070	HDW (CI) LKWSHR 0.38 STEEL ZP	
4	3	096044	HDWSS (CI) FHSCS 0.38-16 X 1.00 S/S	
5	3	096696	HDW (CI) HXNT 0.38-16 RH STEEL ZP	
DRAWN AMM		1/7/2014	BRENTON ENGINEERING 4750 County Road 13 NE Alexandria, MN 56308-9014	
CHECKED				
APPROVED				
Tolerances Unless Noted			THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION	
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	TITLE LPS EXTENDED RAMP ASSEMBLY	
REVISION		SURFACE AREA	DWG NO	FINISH
REMOVE ALL BURRS AND SHARP EDGES			0349361	

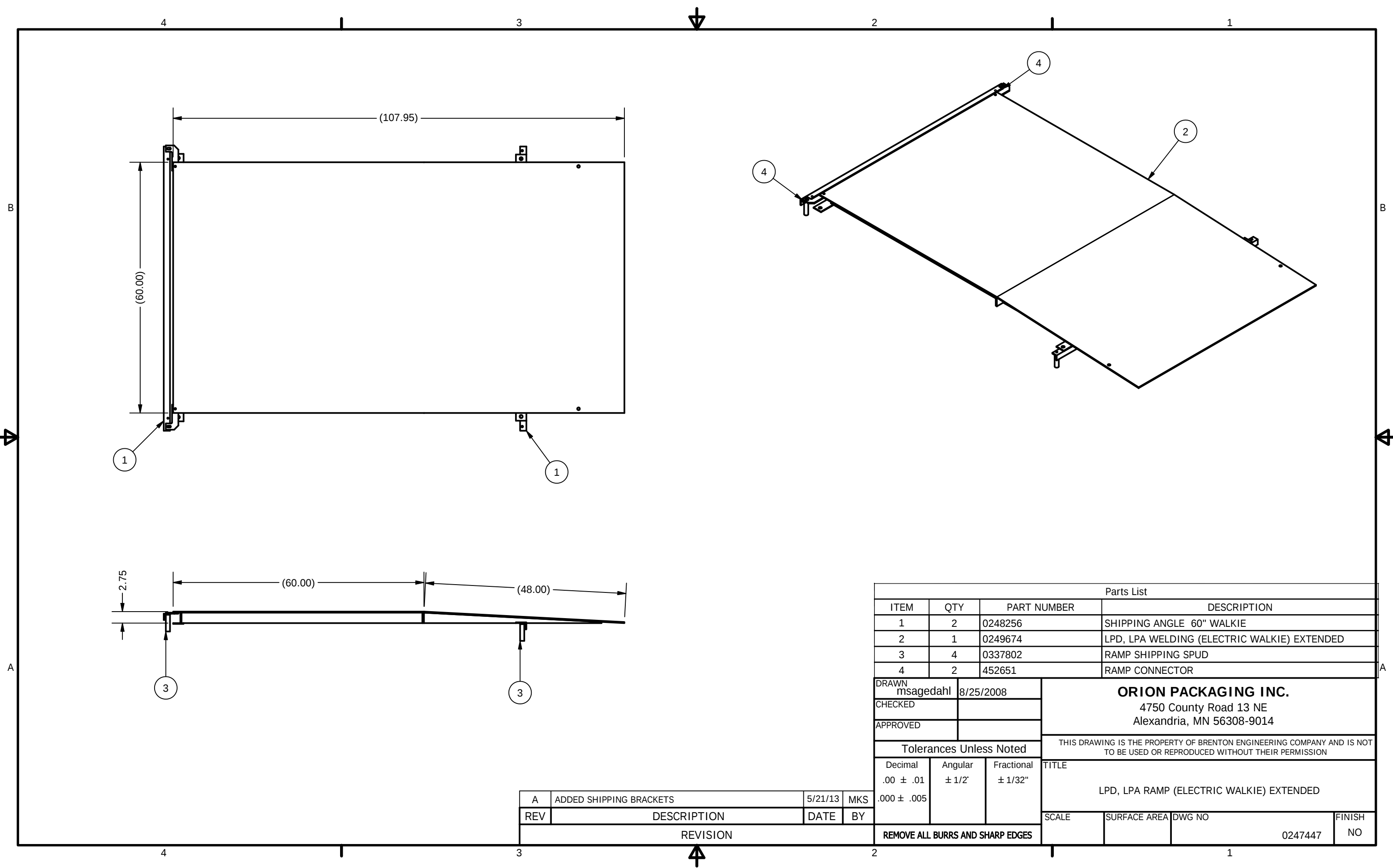


Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	2	0248256	SHIPPING ANGLE 60" WALKIE	
2	1	0335885	LPD, LPA 60" RAMP	
3	4	0337802	RAMP SHIPPING SPUD	
4	2	452651	RAMP CONNECTOR	
5	2	600016	STFB ADJ SCREW WASHER 1.00 SS	
DRAWN		BRENTON ENGINEERING 4750 County Road 13 NE Alexandria, MN 56308-9014		
Issued/dahl				
1/3/2014				
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	
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	LPD, LPA RAMP (ELECTRIC WALKIE)	
REVISION		SCALE	SURFACE AREA	DWG NO
REMOVE ALL BURRS AND SHARP EDGES				0348999
		FINISH	NO	



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	0248256	SHIPPING ANGLE 60" WALKIE
2	1	0285346	LP SCALE PACKAGE RAMP WELD
3	4	0337802	RAMP SHIPPING SPUD
4	2	452651	RAMP CONNECTOR

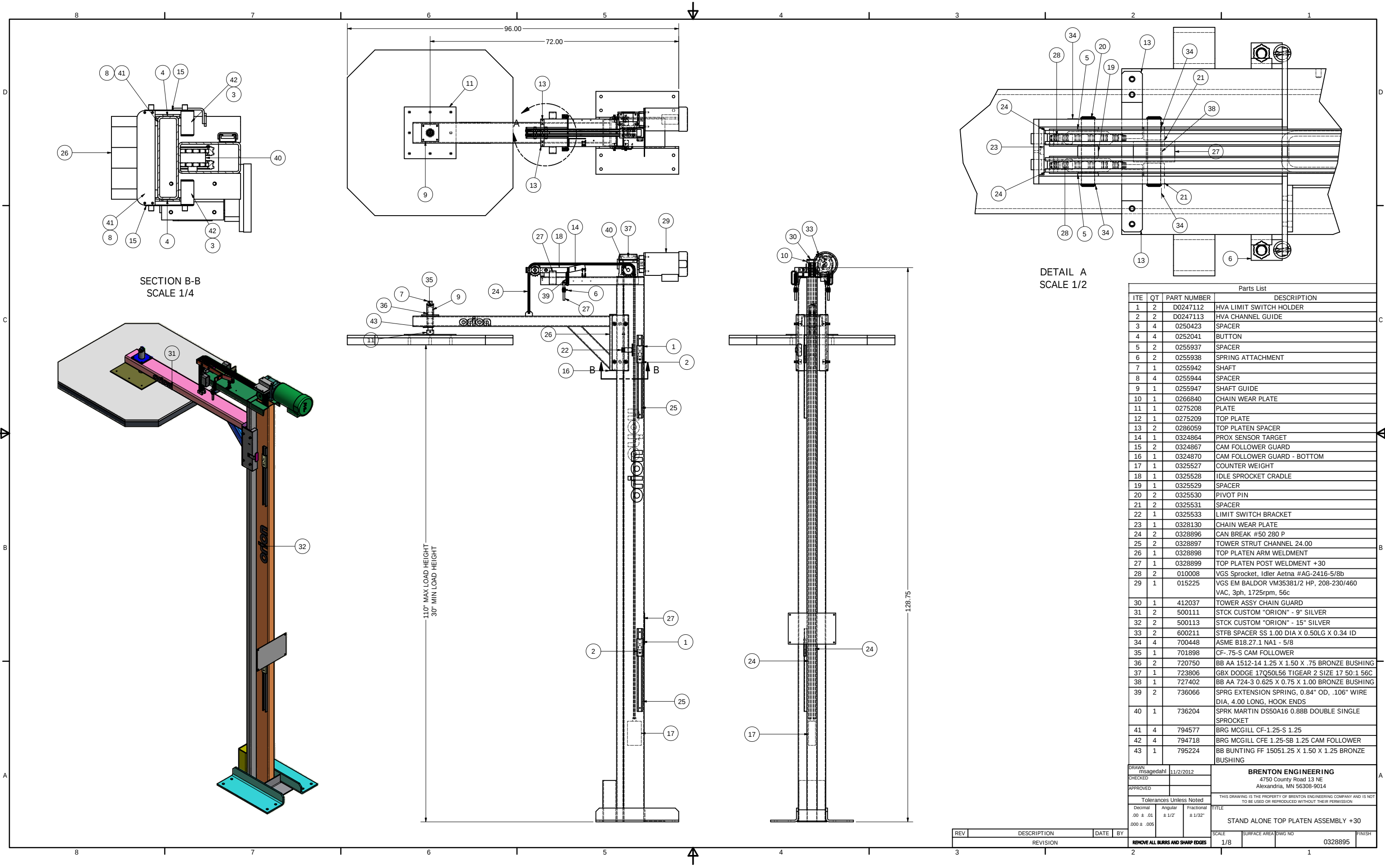
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APPROVED				
Tolerances Unless Noted			THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION	
Decimal .00 ± .01 .000 ± .005	Angular ± 1/2°	Fractional ± 1/32"	TITLE LP SCALE PACKAGE RAMP	
REV	DESCRIPTION	DATE	BY	SCALE
REVISION		REMOVE ALL BURRS AND SHARP EDGES		SURFACE AREA
				DWG NO
				FINISH
				0285345



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	0248256	SHIPPING ANGLE 60" WALKIE
2	1	0249674	LPD, LPA WELDING (ELECTRIC WALKIE) EXTENDED
3	4	0337802	RAMP SHIPPING SPUD
4	2	452651	RAMP CONNECTOR

DRAWN msagedahl	8/25/2008	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 LPD, LPA RAMP (ELECTRIC WALKIE) EXTENDED
SCALE		SURFACE AREA	DWG NO
			0247447
FINISH		NO	

REV	DESCRIPTION	DATE	BY
A	ADDED SHIPPING BRACKETS	5/21/13	MKS
REVISION			

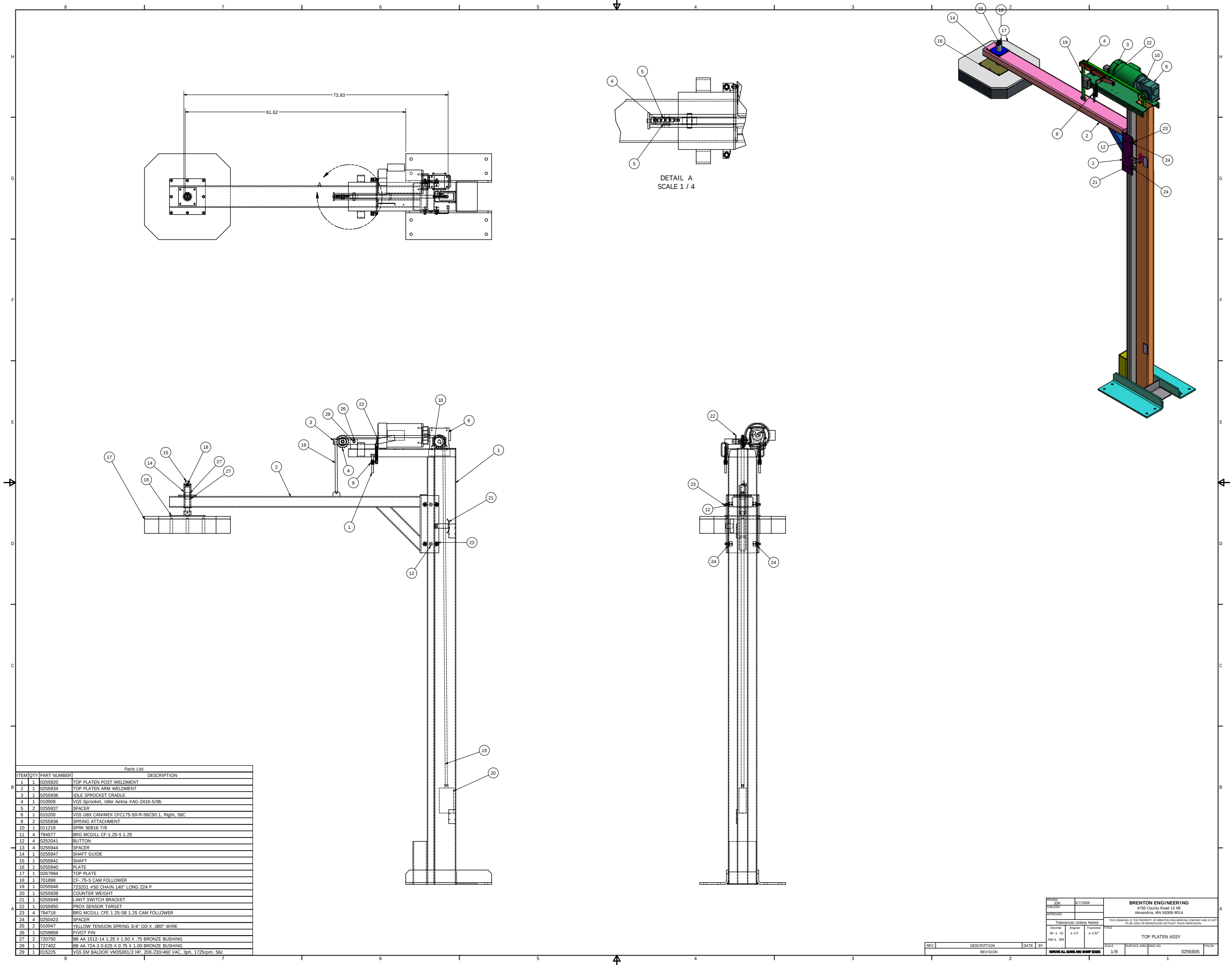


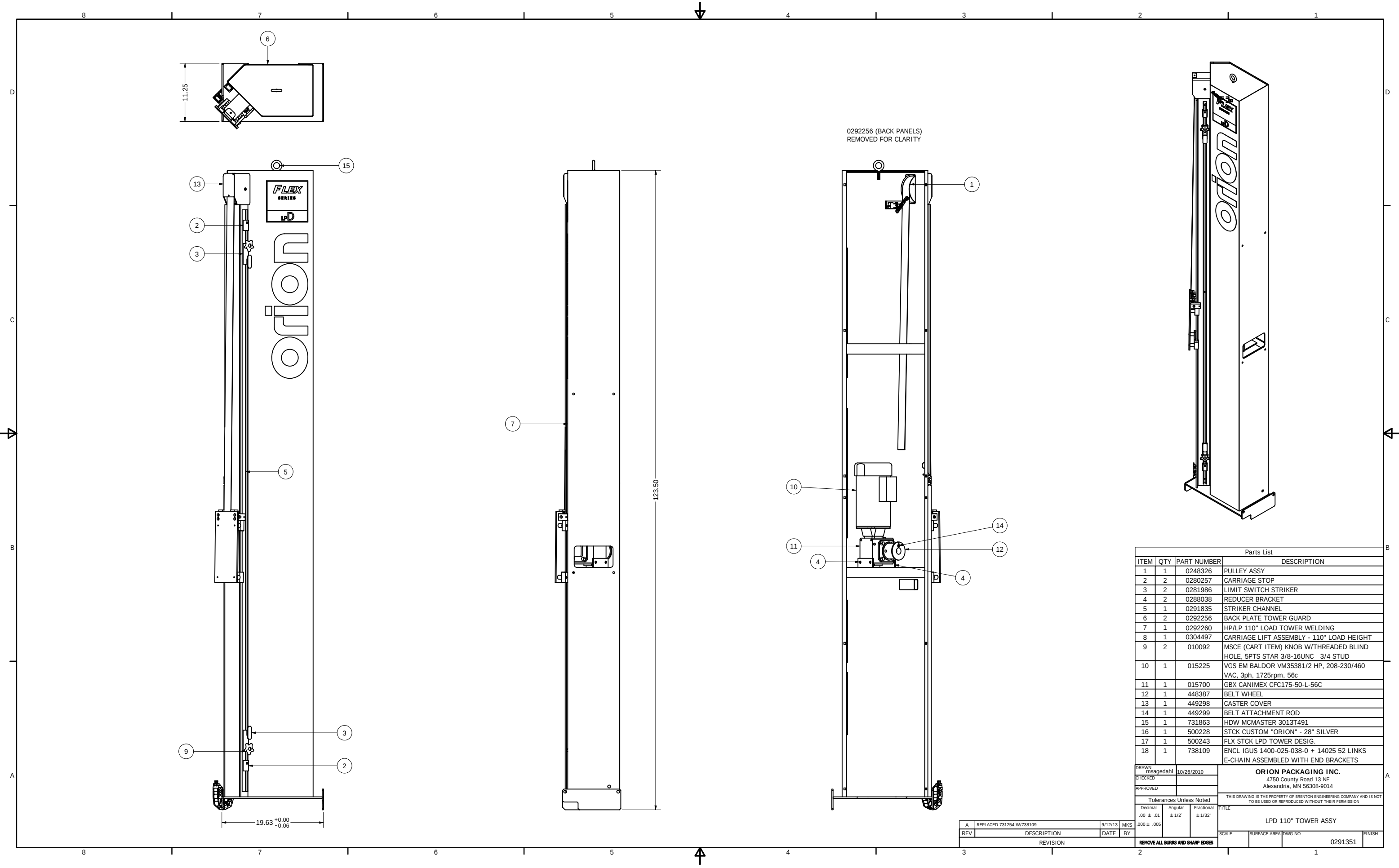
SECTION B-B
SCALE 1/4

DETAIL A
SCALE 1/2

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	

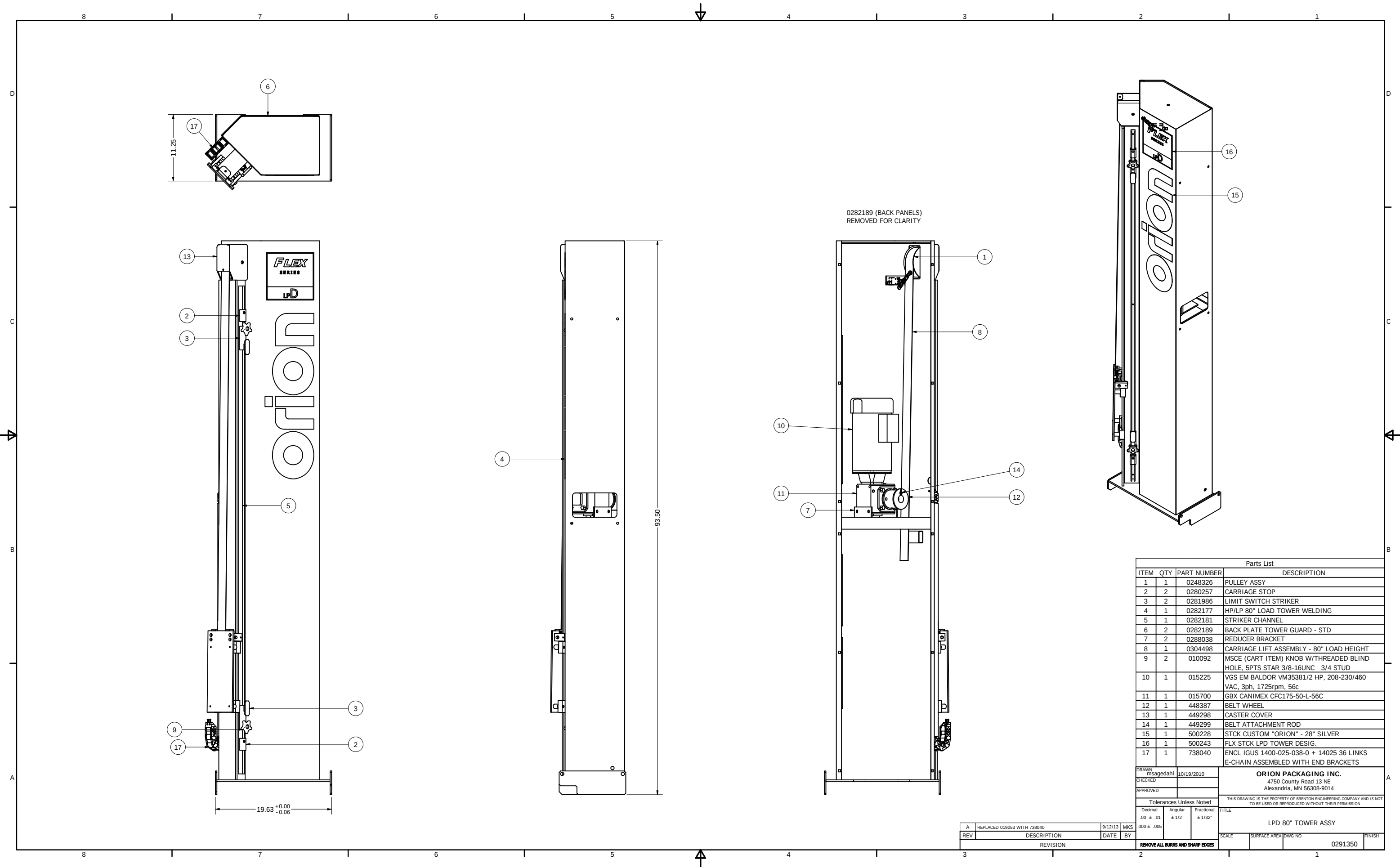
DRAWN	msagedahl	11/2/2012	BRENTON ENGINEERING 4750 County Road 13 NE Alexandria, MN 56308-9014	
CHECKED				
APPROVED				
Tolerances Unless Noted			THIS DRAWING IS THE PROPERTY OF BRENTON ENGINEERING COMPANY AND IS NOT TO BE USED OR REPRODUCED WITHOUT THEIR PERMISSION	
Decimal	Angular	Fractional	TITLE	
.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		FINISH		





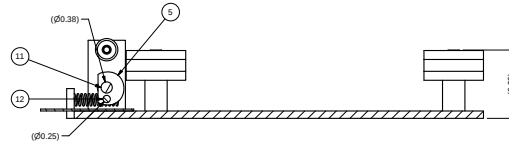
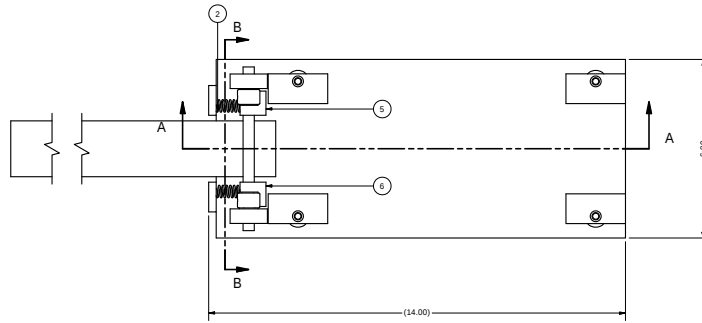
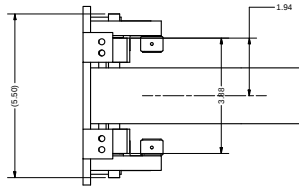
0292256 (BACK PANELS)
REMOVED FOR CLARITY

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	VGS EM BALDOR VM35381/2 HP, 208-230/460 VAC, 3ph, 1725rpm, 56c	
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	500243	FLX STCK LPD 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	
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"	LPD 110" TOWER ASSY	
.000 ± .005			SCALE	SURFACE AREA DWG NO
REMOVE ALL BURRS AND SHARP EDGES				0291351
			FINISH	

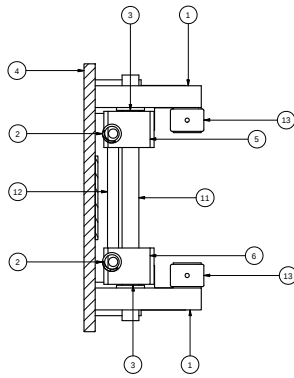


A	REPLACED 019053 WITH 738040	9/12/13	MKS
REV	DESCRIPTION	DATE	BY
	REVISION		

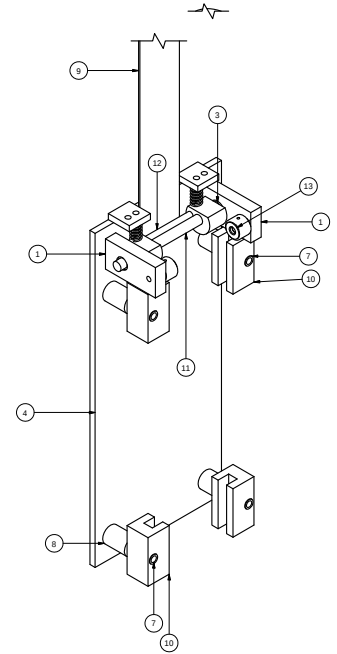
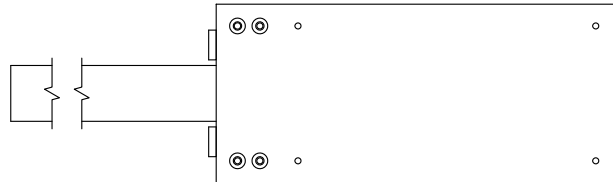
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0248326	PULLEY ASSY
2	2	0280257	CARRIAGE STOP
3	2	0281986	LIMIT SWITCH STRIKER
4	1	0282177	HP/LP 80" LOAD TOWER WELDING
5	1	0282181	STRIKER CHANNEL
6	2	0282189	BACK PLATE TOWER GUARD - STD
7	2	0288038	REDUCER BRACKET
8	1	0304498	CARRIAGE LIFT ASSEMBLY - 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	VGS EM BALDOR VM35381/2 HP, 208-230/460 VAC, 3ph, 1725rpm, 56c
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	500243	FLX STCK LPD TOWER DESIG.
17	1	738040	ENCL IGUS 1400-025-038-0 + 14025 36 LINKS E-CHAIN ASSEMBLED WITH END BRACKETS
DRAWN		10/19/2010	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	
.00 ± .01 .000 ± .005	± 1/2°	± 1/32"	
TITLE			LPD 80" TOWER ASSY
SCALE	SURFACE AREA	DWG NO	FINISH
		0291350	



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 (CART ITEM) #23 Spring, 1.5" x 0.38 OD
3	2	0175000	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 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 55309-0141
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
.005 ±			DATE
BY		SURFACE AREA (SQ. IN.)	
REMOVE ALL RISKS AND SHARP EDGES		0304498	
		FINISH	

REV	DESCRIPTION	DATE	BY
	REVISION		

REMOVAL BURS AND SHARP EDGES