

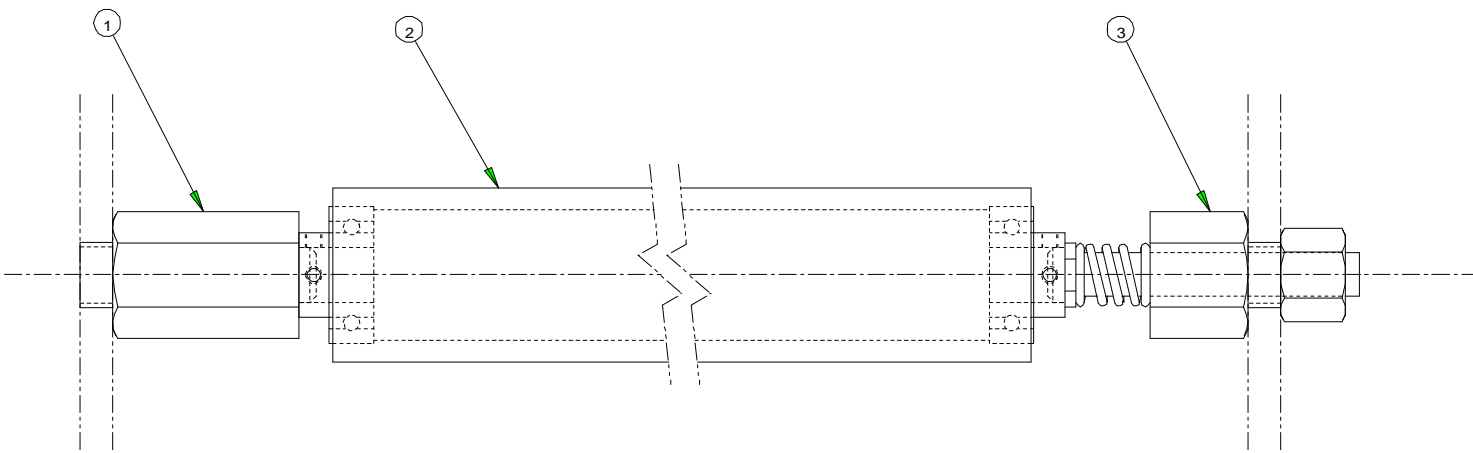


ORCA III SAE Parts List

GBC IS AN ACCO BRANDS COMPANY



REQ'D	DESCRIPTION	PART NO.	ITEM
1	STANDOFF, IDLER POST	X92-0165	1
1	ASSY.IDLER	001-226	2
1	ASSY.STANDOFF, IDLER, REMOVABLE	001-305	3

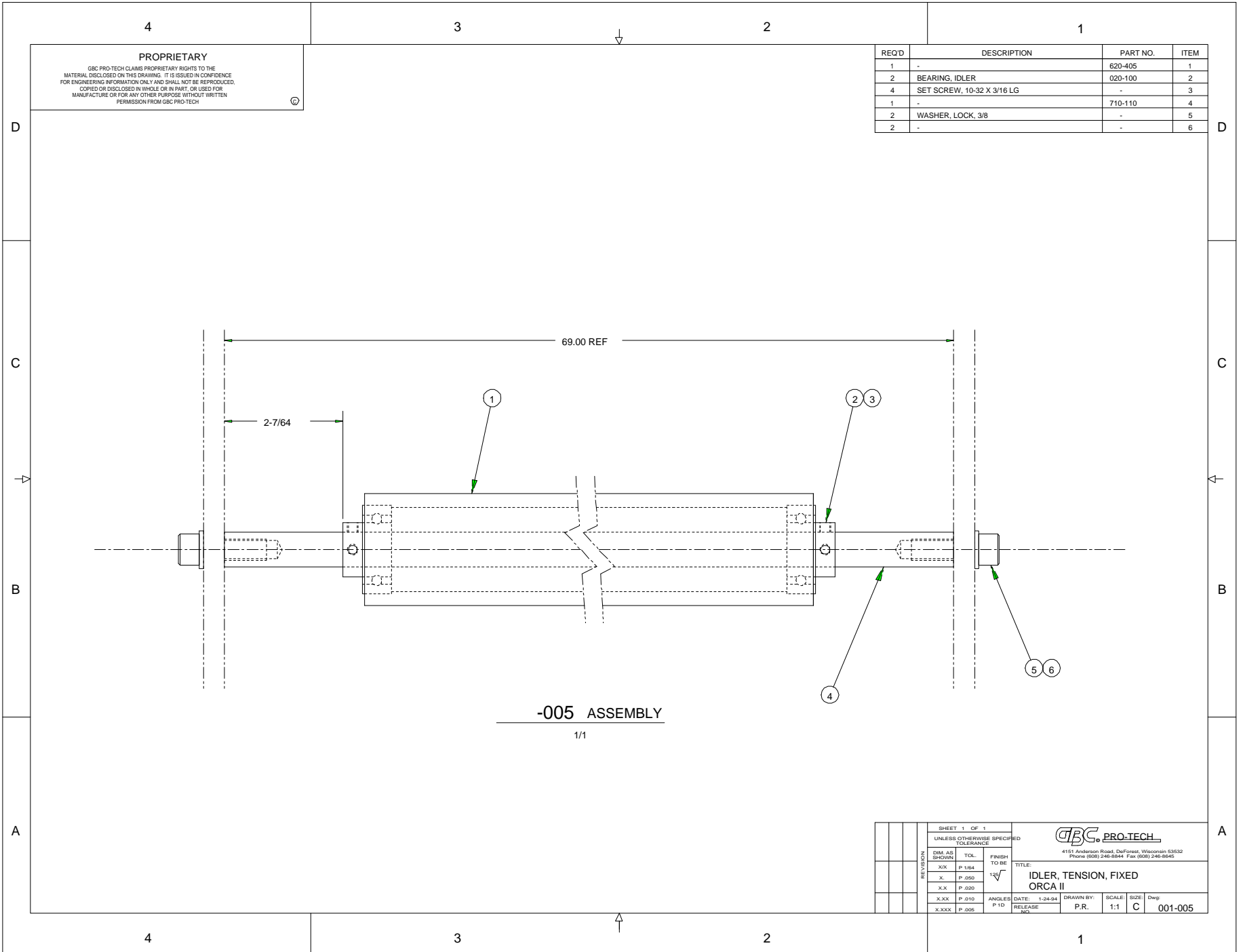


UNLESS OTHERWISE SPECIFIED TOLERANCE				FINISH TO BE		DATE: #REF!		DRAWN BY: #REF!		DWG SCALE: #REF!		Dwg: 001 - 003	
DIM. AS SHOWN	TOL.			12.5									
.XX	P.1/64												
X	P.050												
X.X	P.020												
X.XX	P.010												
X.XXX	P.005												

Pro-Tech Engineering

2117 N. Soughlin Rd. Madison, Wisconsin 53704
Phone (608) 246-8844 Fax (608) 246-4685

TITLE: Assembly, Idler, Removable with Standoff



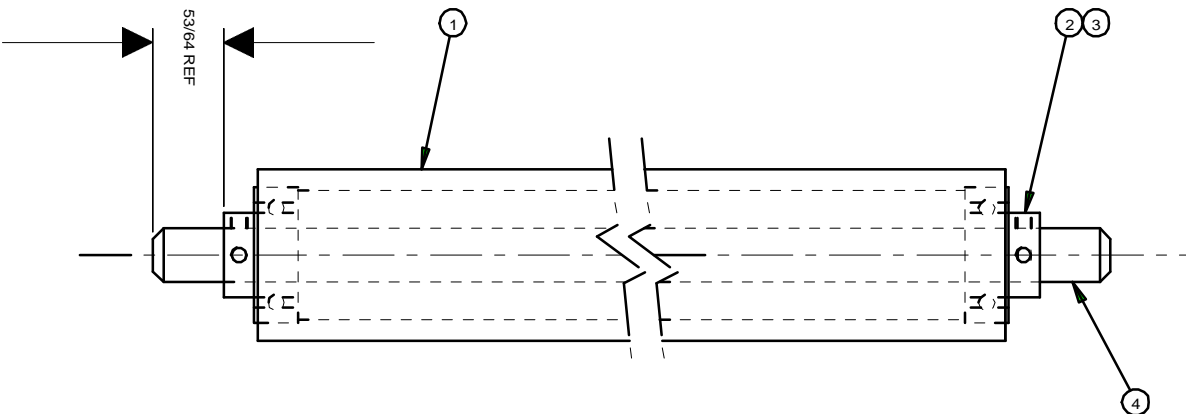
PROPRIETARY
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REQ'D	DESCRIPTION	PART NO.	ITEM
1	-	620-405	1
2	BEARING, IDLER	020-100	2
4	SET SCREW, 10-32 X 3/16 LG	-	3
1	-	710-110	4
2	WASHER, LOCK, 3/8	-	5
2	-	-	6

-005 ASSEMBLY
 1/1

SHEET 1 OF 1		UNLESS OTHERWISE SPECIFIED TOLERANCE		FINISH TO BE			
REV	AS SHOWN	TOL.				4151 Anderson Road, DuFresne, Wisconsin 53532 Phone: (608) 246-8844 Fax: (608) 246-8845	
X	X	P. 1/64		1/16		TITLE: IDLER, TENSION, FIXED ORCA II	
X	X	P. .050				DATE: 1-24-94	
X	X	P. .020				DRAWN BY: P.R.	
X	XX	P. .010		ANGLES: P. 1/10		SCALE: 1:1	SIZE: C
X	XXX	P. .005		RELEASE: NA		Dwg: 001-005	

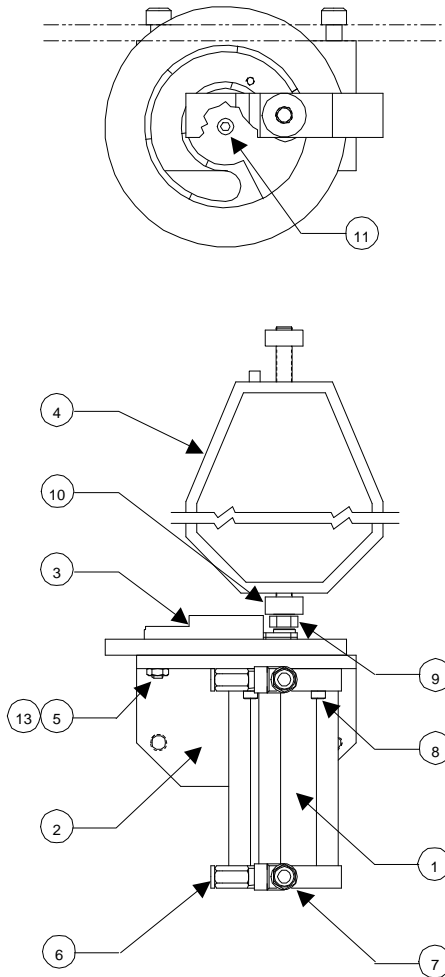
REQD	DESCRIPTION	PART NO.	ITEM
1	-	620-405	1
2	BEARING, IDLER	020-100	2
4	-	-	3
1	IDLER SHAFT	710-111	4



-006 ASSEMBLY

SCALE: 1/1

UNLESS OTHERWISE SPECIFIED TOLERANCE		FINISH TO BE		Pro-Tech Engineering 2117 N. Stoughton Rd. Madison, Wisconsin 53704 Phone (608) 248-0884 Fax (608) 248-0885	
ØM, AS SHOWN	F 1.564	TOL.		TITLE: #REF! Idler, Paper, Infeed ORCA III	
.XX	F .001	12√		DATE: #REF!	DRAWN BY: #REF!
.X	F .002			ENG SCALE: #REF!	Des: #REF!
.XX	F .003				
.XXX	F .010	ANGLES			
.XXX	F .005	P 10			001 - 006



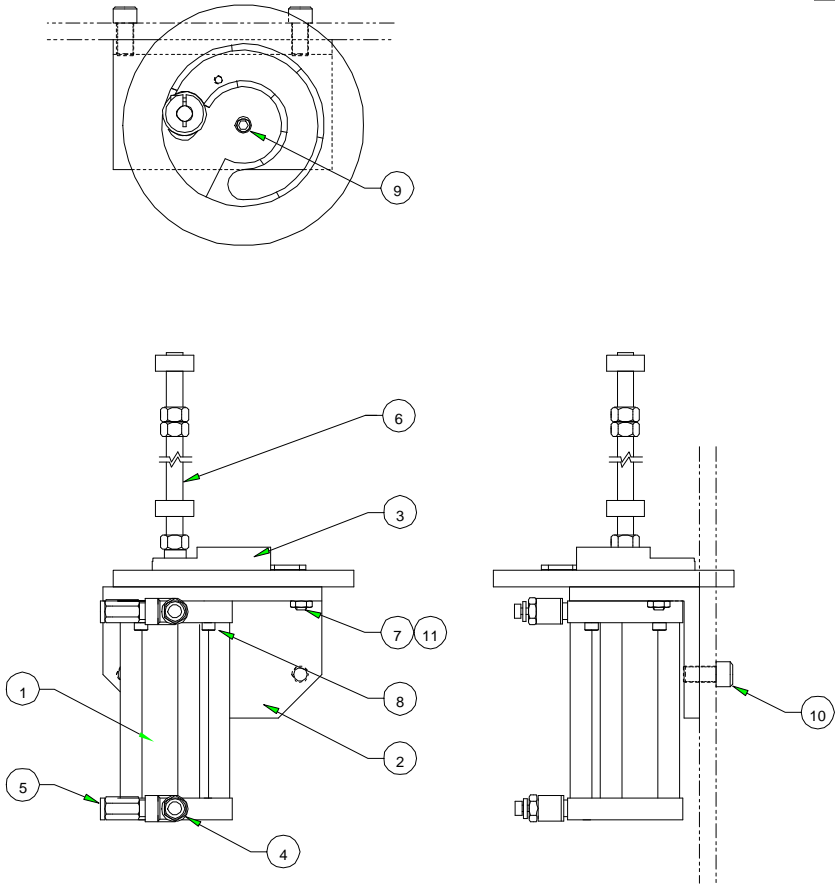
-058 ASSEMBLY

SCALE: 1/2

REQ'D	DESCRIPTION	PART NO.	ITEM
1	CYL. PULL ROLL (BIMBA FO-174)	320-300	1
1	BRACKET, CYL MNT, RT	510-082	2
1	SHIM DISK, PULL ROLL, RT	X92-0091	3
1	BRACKET, LIFT, PULL ROLL	X92-0138	4
1	PLUNGER, BALL	098-120	5
2	FITTING, AIR, MALE 1/8 NPT	330-590	6
2	VALVE, AIR CONTROL, 1/8 NPT	330-120	7
4	CAP SCREW, SOCKET, 10-32 X 3/4	-	8
1	NUT, JAM, 3/8-24	-	9
2	LOCK COLLAR, 3/8-24	290-190	10
1	BOLT, SHOULDER, 1/4 X 3/8	-	11
2	CAP SCREW, SOCKET, 3/8-16 X 3/4	-	12
1	JAM NUT, 1/4-20	-	13

250Z	UNLESS OTHERWISE SPECIFIED TOLERANCE		Pro-Tech Engineering 4151 Anderson Road, Halifax, NS B3C 2S2 Phone (903) 246-8844 Fax (903) 246-8645	
REL. AS SHOWN	TOL.	FINISH	TITLE:	
X.XX	F.164	TO BE	CYLINDER, PULL ROLL, RT.	
X.	F.050		ORCA II / ORCA III	
X.XX	F.020		DATE:	DRAWN BY:
X.XX	F.010	ANGLES:	2-8-94	P.R.
X.XXX	F.005	F ID	DWG SCALE:	Dwg
			C2	001-058

REQ'D	DESCRIPTION	PART NO.	ITEM
1	CYL, PULL ROLL, (BIMBA FO-174)	320-300	1
1	BRACKET, CYL MNT, LF	510-079	2
1	SHIM DISK, PULL ROLL, LF	X92-0092	3
2	VALVE, AIR CONTROL, 1/8 NPT	330-120	4
2	FITTING, AIR, MALE 1/8 NPT	330-590	5
1	ASSEMBLY, SHAFT, CYLINDER, PULL ROLL	001-304	6
1	PLUNGER, BALL	098-120	7
8	CAP SCREW, SOCKET, 10-32 X 3/4	-	8
1	BOLT, SHOULDER, 1/4 X 3/8	-	9
2	CAP SCREW, SOCKET, 3/8-16 X 3/4	-	10
1	JAM NUT, 1/4-20	-	11

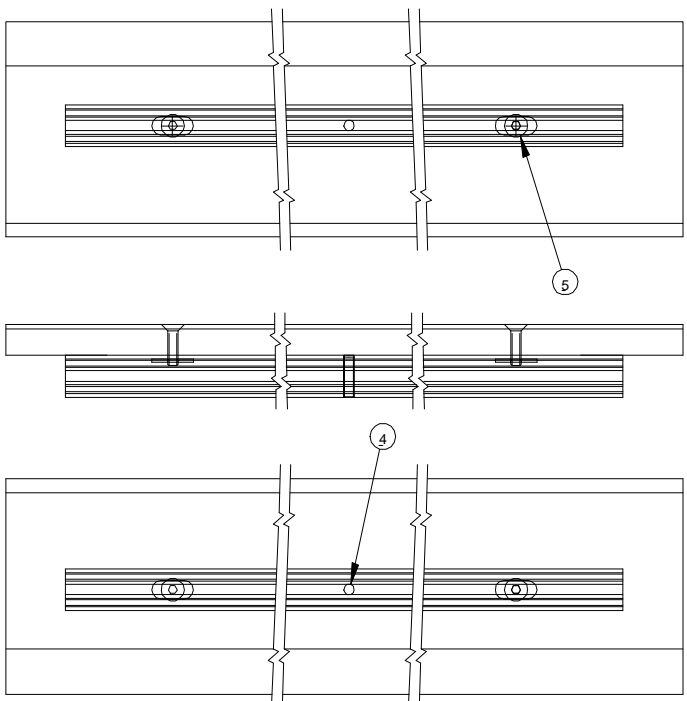
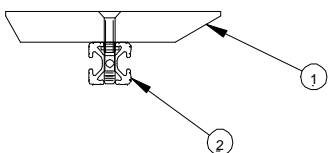
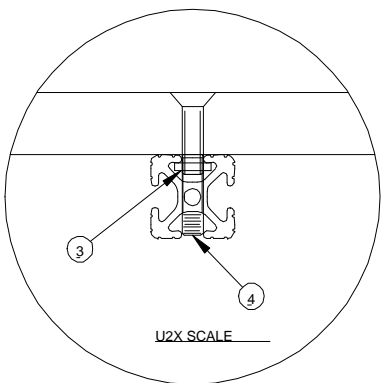


-O59 ASSEMBLY

SCALE:1/2

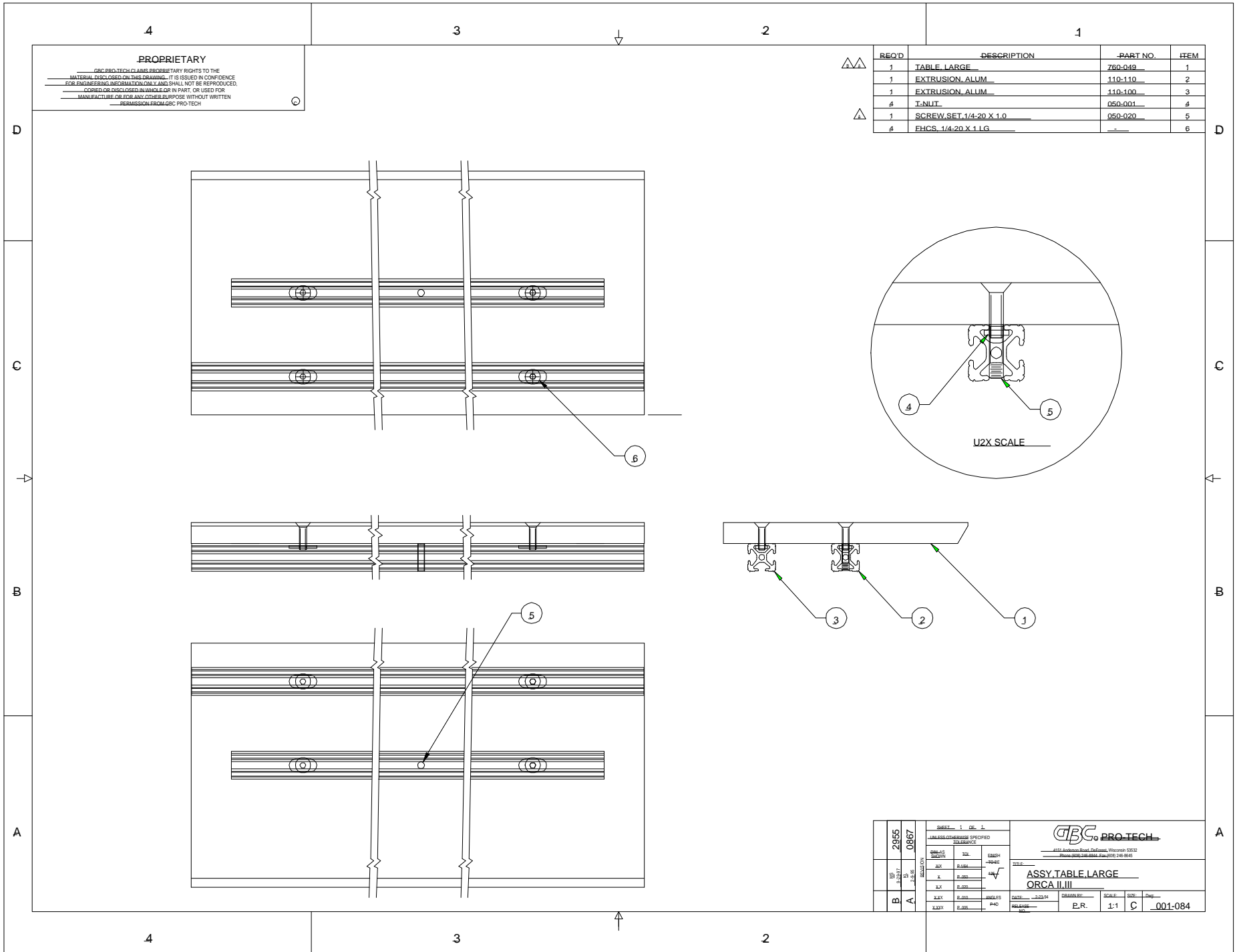
UNLESS OTHERWISE SPECIFIED TOLERANCE				Pro-Tech Engineering 2117 N. Sloughton Rd. Madison, Wisconsin 53704 Phone (608) 246-6844 Fax (608) 246-6888	
DIM AS SHOWN	TOL	FINISH TO BE	128	TITLE	
.XX	P.184			CYLINDER, PULL ROLL, LF	
.X	P.250			ORCA II	
.XX	P.220		DATE	DRAWN BY:	DWG SCALE: Chg
.XXX	P.210	ANGLES P.10	2-9-94	P.R.	C2
.XXXX	P.205				001-059

REQ'D	DESCRIPTION	PART NO.	ITEM
1	TABLE, SMALL, GREY	760-048	1
1	EXTRUSION, ALUM	110-110	2
2	T-NUT	050-001	3
1	SCREW, SET, 1/4-20 X 1.0	050-020	4
2	PHGS, 1/4-20 X 1 LG	-	5

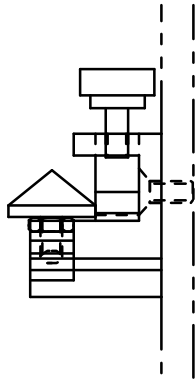
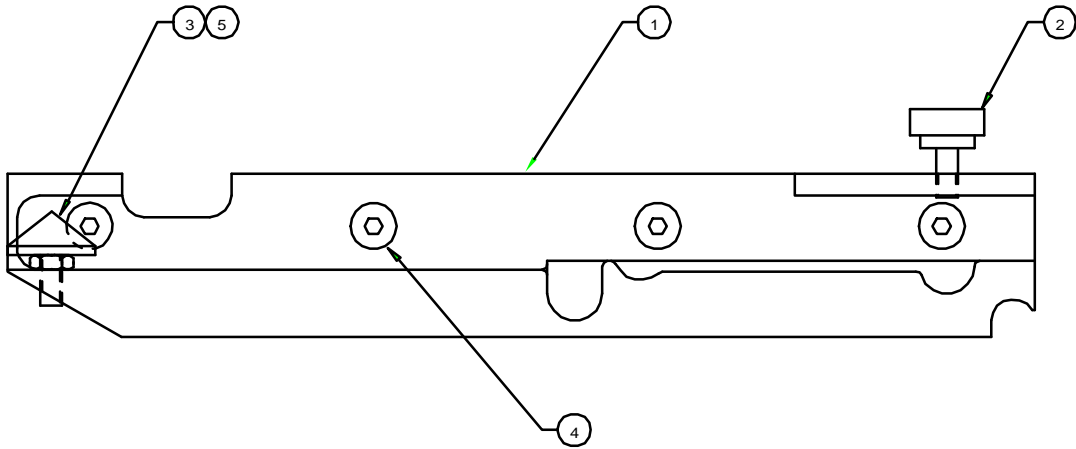
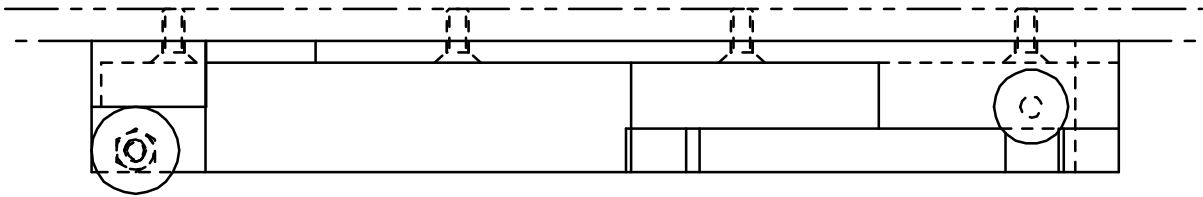


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SHEET - 1 OF 2		UNLESS OTHERWISE SPECIFIED TOLERANCES		 4151 Anderson Road, DeForest, Wisconsin 53532 Phone: (920) 366-8144 Fax: (920) 346-8845	
DATE: 03/23/94	DESIGNED BY: P.R.	SCALE: 1:2	APP.:	CHECKED:	DATE: 03/23/94
ASSY TABLE, SMALL ORCA III, III			P.R. 1:2 C 001-083		



REQ'D	DESCRIPTION	PART NO.	ITEM
1	BRACKET, TABLE, FRONT, RT	510-056	1
1	KNOB, LOCK-DOWN, TABLE	465-200	2
1	BUMPER, RUBBER	465-500	3
4	SCREW, ALLEN, FLT HD, 1/4-20 X 1/2	-	4
1	NUT, 1/4-20	-	5

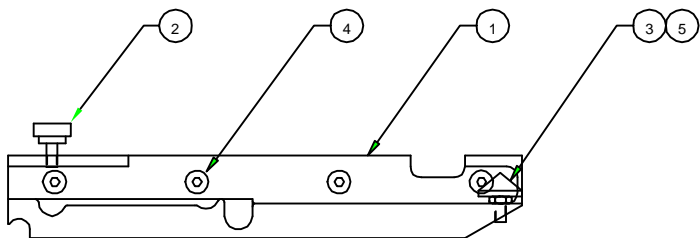
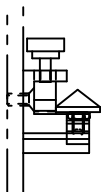
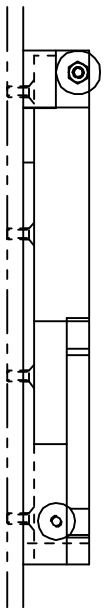


-085 ASSEMBLY

SCALE: 1/1

UNLESS OTHERWISE SPECIFIED				TOLERANCE				FINISH TO BE			
DIM. AS SHOWN	TOL.	FINISH	TO BE	PRO-Tech Engineering				2117 N. Slaughter Rd. Madison, Wisconsin 53714 Phone (608) 248-8844 Fax (608) 248-4855			
X.X	F.154	✓		#REF!				Bracket, Table, Front, Right			
X	F.050			#REF!				ORCA III			
X.X	F.020			#REF!							
X.XX	F.010			DATE	DRAWN BY	DWG SCALE	Dep	001 - 085			
X.XXX	F.005			#REF!	#REF!	#REF!	#REF!				

REQ'D	DESCRIPTION	PART NO.	ITEM
1	BRACKET, TABLE, FRONT, LF	510-055	1
1	KNOB, LOCK-DOWN, TABLE	465-200	2
1	BUMPER, RUBBER	465-500	3
4	SCREW, ALLEN, FLT HD, 1/4-20 X 1/2	-	4
1	NUT, 1/4-20	-	5

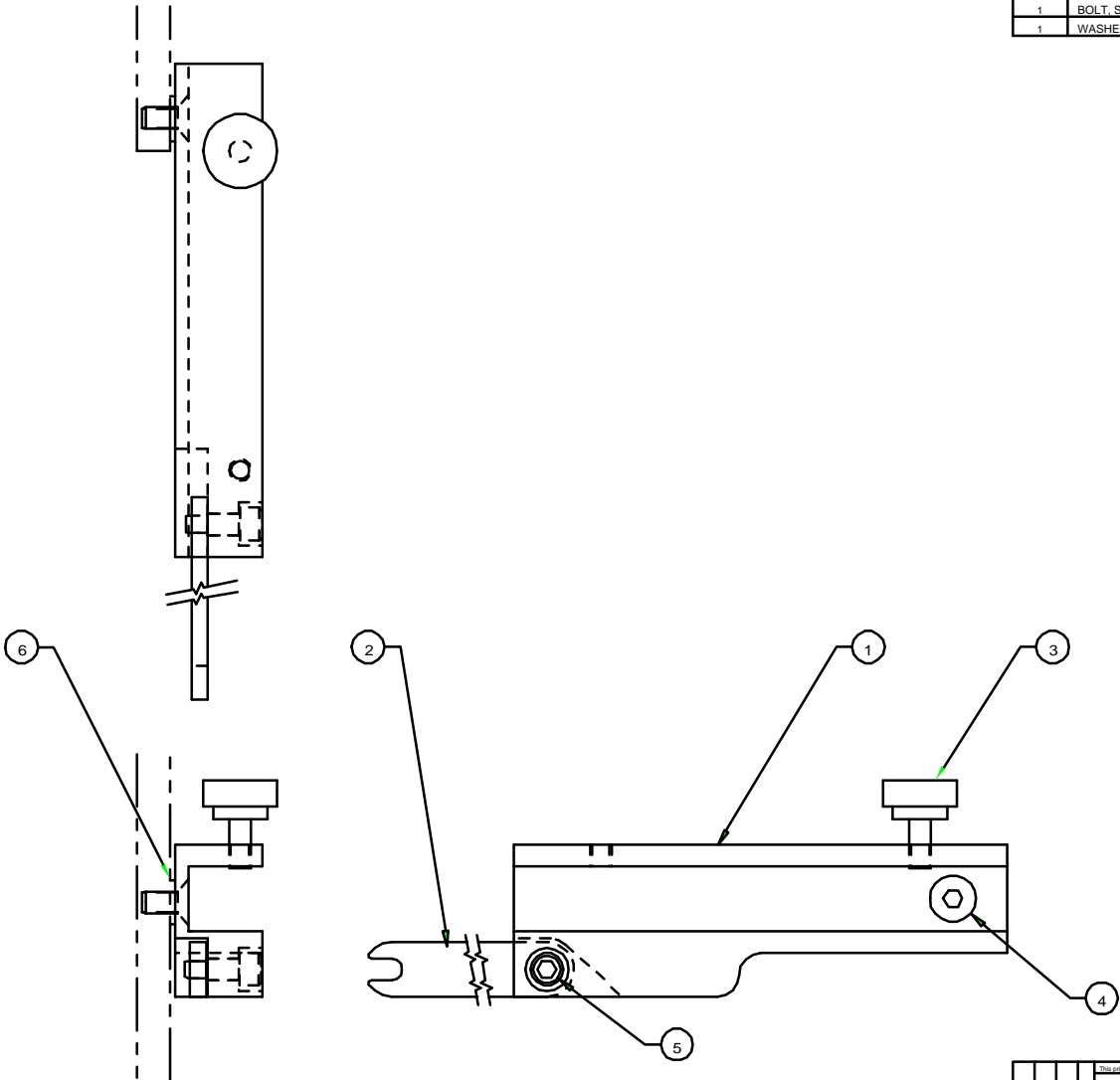


-086 ASSEMBLY

SCALE: 1/2

UNLESS OTHERWISE SPECIFIED TOLERANCE				Pro-Tech Engineering 2117 N. Sougham Rd. Madison, Wisconsin 53704 Phone (608) 246-8844 Fax (608) 246-4685			
DIM. AS SHOWN	TOL.	FINISH TO BE	TITLE	DATE	DRAWN BY	DWG SCALE	Dwg
X.X	P. 1/64	√	#REF!	#REF!	#REF!	#REF!	#REF!
X	P. .050		#REF!				
X.X	P. .020						
X.XX	P. .010	ANGLES P. 10					
X.XXX	P. .005						

REQ'D	DESCRIPTION	PART NO.	ITEM
1	BRACKET, TABLE, REAR, RT	510-067	1
1	SUPPORT, BRACKET	X92-0125	2
1	KNOB, LOCK-DOWN, TABLE	465-200	3
1	SCREW, ALLEN, FLT HD, 1/4-20 X 1/2	-	4
1	BOLT, SHOULDER, 1/4 X 3/8	-	5
1	WASHER, FLAT, 1/4	-	6

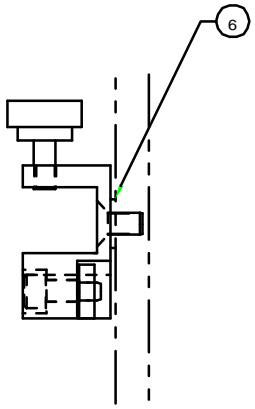
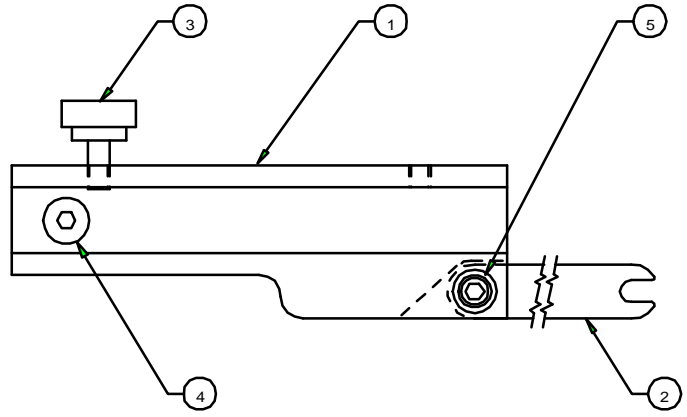
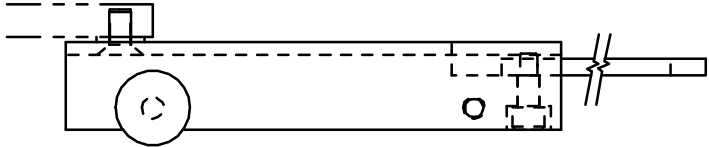


-087 ASSEMBLY

SCALE: 1/1

UNLESS OTHERWISE SPECIFIED TOLERANCE				Pro-Tech Engineering			
2117 N. Sloughton Rd. Madison, Wisconsin 53704				Phone (608) 246-8844 Fax (608) 246-4685			
DIM. AS SHOWN		TOL.	FINISH	TITLE:		DRAWN BY:	
XX		P.164	TO BE	#REF!		#REF!	
X		P.050	100	#REF!		#REF!	
X.X		P.020					
X.XX		P.010	ANGLES	DATE:		DWG SCALE:	
X.XXX		P.005	P.10	#REF!		#REF!	
						Dwg 001 - 087	

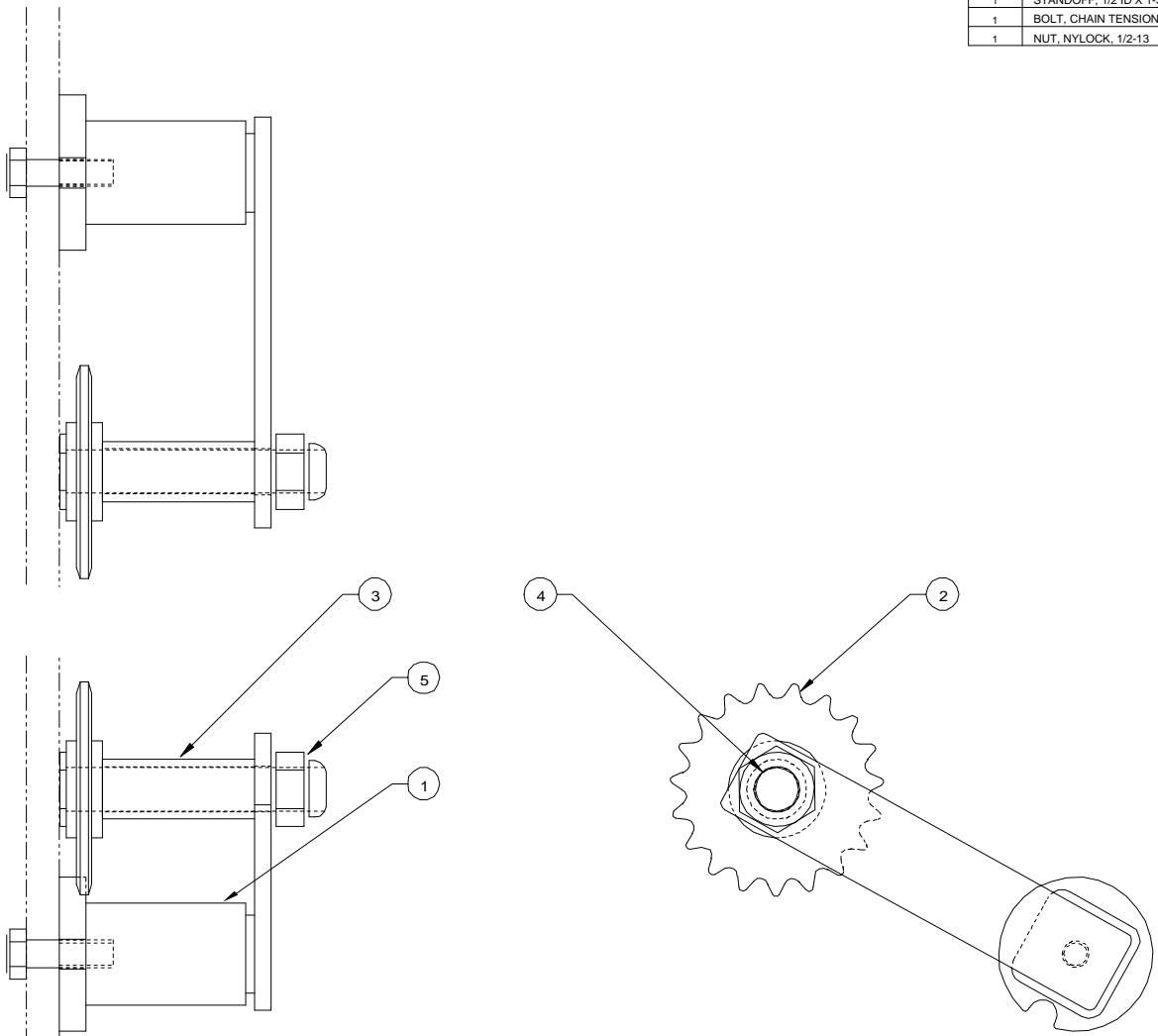
REQ'D	DESCRIPTION	PART NO.	ITEM
1	BRACKET, TABLE, REAR, LF	510-069	1
1	SUPPORT, BRACKET	X92-0125	2
1	KNOB, LOCK-DOWN, TABLE	465-200	3
1	SCREW, ALLEN, FLT HD, 1/4-20 X 1/2 LG	-	4
1	BOLT, SHOULDER, 1/4 X 3/8	-	5
1	WASHER, FLAT, 1/4	-	6



-088 ASSEMBLY
SCALE: 1/1

UNLESS OTHERWISE SPECIFIED TOLERANCE:		FINISH TO BE:		Pro-Tech Engineering 2117 N. Stoughton Rd. Madison, Wisconsin 53704 Phone (608) 246-8844 Fax (608) 246-4685			
DIM. AS SHOWN	TOL.	XX	P.164	TITLE: Bracket, Table, Rear, Left ORCA III			
X	P.020	X	P.020	DATE:	DRAWN BY:	DWG SCALE:	Dwg: 001 - 088
X,X	P.020	X,XX	P.010	#REF!	#REF!	#REF!	
X,XXX	P.005	X,XXX	P.005	ANGLES P TO			

REQ'D	DESCRIPTION	PART NO.	ITEM
1	TENSIONER, CHAIN	440-150	1
1	SPROCKET, 19T	440-130	2
1	STANDOFF, 1/2 ID X 1-3/4	755-000	3
1	BOLT, CHAIN TENSIONER	X93-0047	4
1	NUT, NYLOCK, 1/2-13	-	5

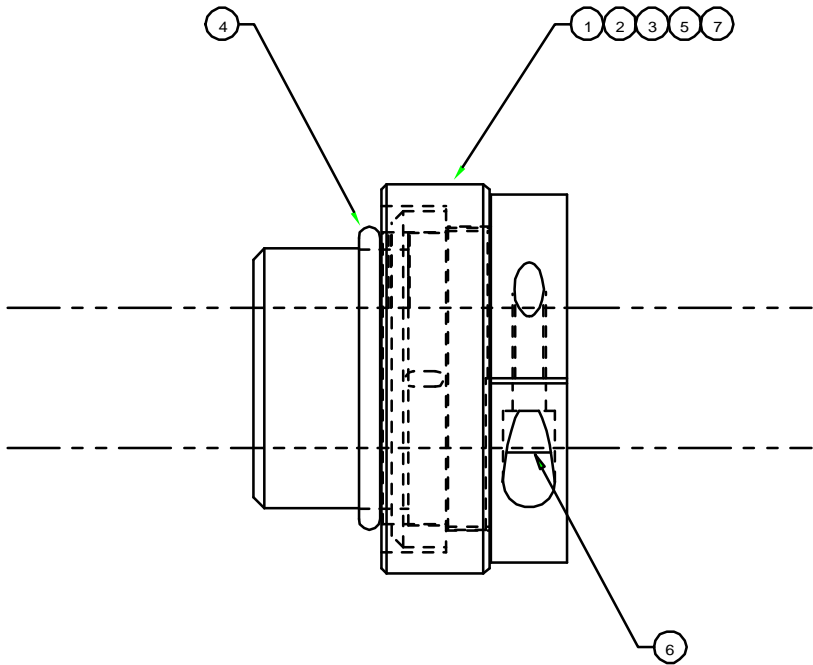


-096 ASSEMBLY

SCALE: 1/1

UNLESS OTHERWISE SPECIFIED				TOLERANCE				FINISH			
DIM. AS SHOWN				TOL.				TO BE			
.XX				P .184				125			
X.				P .250							
.XX				P .020							
.XXX				P .010				ANGLES			
.XXX				P .005				P.D.			
Pro-Tech Engineering 2117 N. Sloughon Rd. Madison, Wisconsin 53704 Phone (608) 248-8844 Fax (608) 248-8645								TITLE: TENSIONER, CHAINORCA III			
DATE: 3-3-94				DRAWN BY: P.R.		DWG SCALE: C1		Dwg: 001-096			

REQ'D	DESCRIPTION	PART NO.	ITEM
1	COLLAR, BRAKE	515-050	1
1	COLLAR, ADJUST	515-051	2
1	COLLAR, LOCK, BRAKE	515-053	3
1	O-RING, 2-7/8	480-010	4
1	SET SCREW, 1/4-20 HALF DOG PT	-	5
1	CAP SCREW, SOCKET, 3/8-24 X 1-1/4	-	6
1	SPRING, WAVE	089-120	7

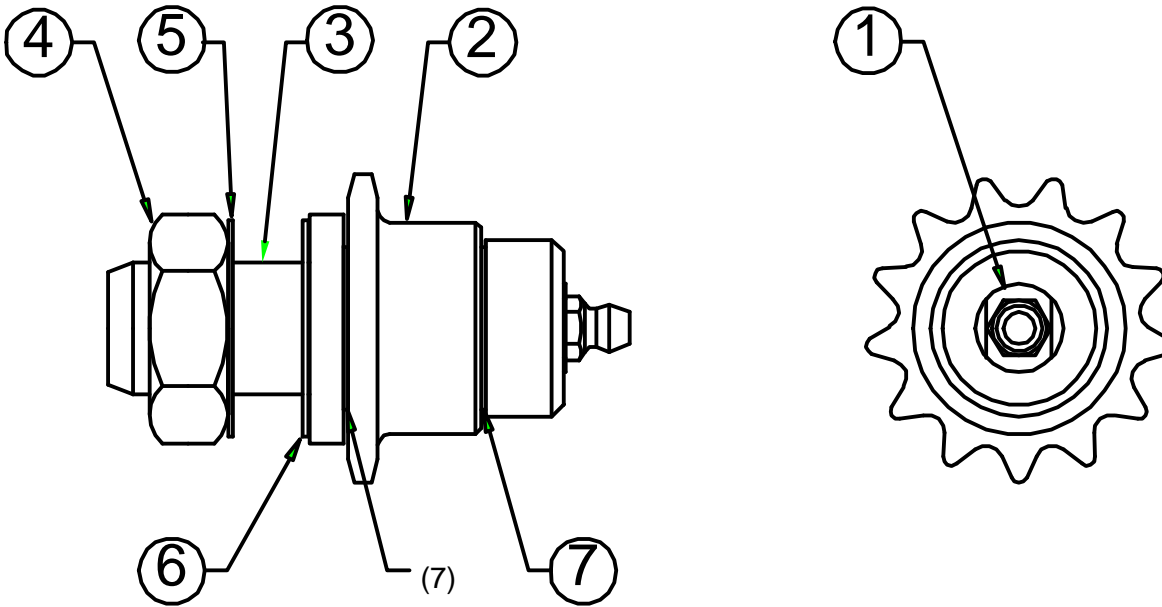


-100 ASSEMBLY

SCALE: 1/1

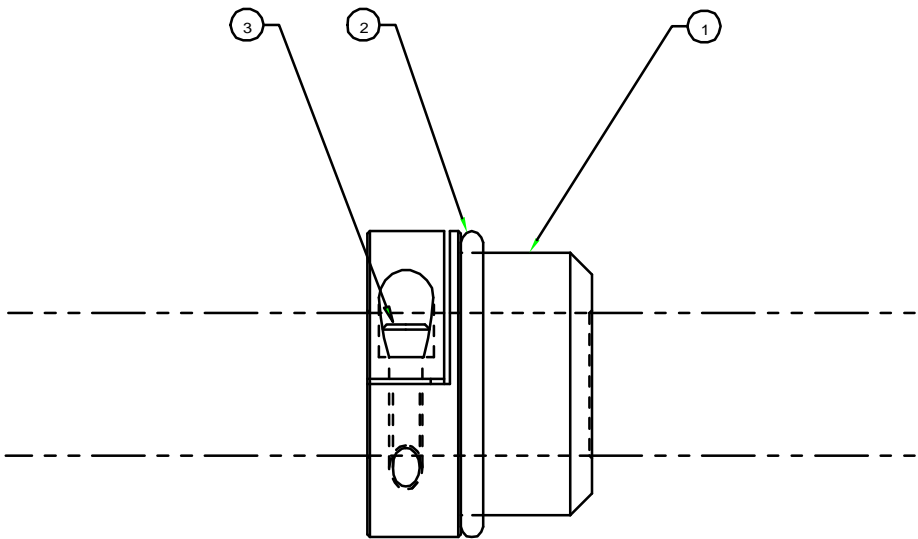
UNLESS OTHERWISE SPECIFIED TOLERANCE:		FINISH TO BE		Pro-Tech Engineering 2117 N. Sloughton Rd. Madison, Wisconsin 53704 Phone (608) 246-8844 Fax (608) 246-8845	
DIM AS SHOWN	TOL.	XX	P. 1/64	TITLE	
X	P. 0.02	X	P. 0.02	Brake , Unwind ORCA III	
XX	P. 0.02	XX	P. 0.02	DATE:	DRAWN BY:
XXX	P. 0.05	XXX	P. 0.05	ANGLES P. 10	DWG SCALE:
				#REF!	#REF!
				#REF!	Dwg: 001 - 100

REQ'D	DESCRIPTION	PART NO.	ITEM
1	SHAFT, IDLER	440-110	1
1	SPROCKET, 13T	440-125	2
1	BOLT, MOD., 3/4-16 X 1	505-002	3
1	NUT, JAM, 3/4-16	-	4
1	WASHER, THRUST	032-291	5
1	WASHER, STAR, INT. TOOTH, 3/4	068-002	6
2	WASHER, THRUST	032-130	7



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UNLESS OTHERWISE SPECIFIED TOLERANCE			Pro-Tech Engineering 2117 N. Stoughton Rd. Madison, Wisconsin 53704 Phone (608) 246-8844 Fax (608) 246-4685
DIM. AS SHOWN	TOL.	FINISH TO BE	
X/X	P 1/64	125√	TITLE: Assembly, Sprocket, Idler, Adjustable Primary Chain ORCA III
X.	P .050		
X.X	P .020		
X.XX	P .010	ANGLES P 1D	
X.XXX	P .005		
REVISION	DATE:	DRAWN BY:	DWG SCALE:
	#REF!	#REF!	#REF!
			Dwg: 001 - 102

REQ'D	DESCRIPTION	PART NO.	ITEM
1	COLLAR, LOCK, CORE END	640-020	1
1	O-RING, 2-7/8	480-005	2
1	CAP SCREW, SOCKET, 3/8-24 X 1-1/4	-	3



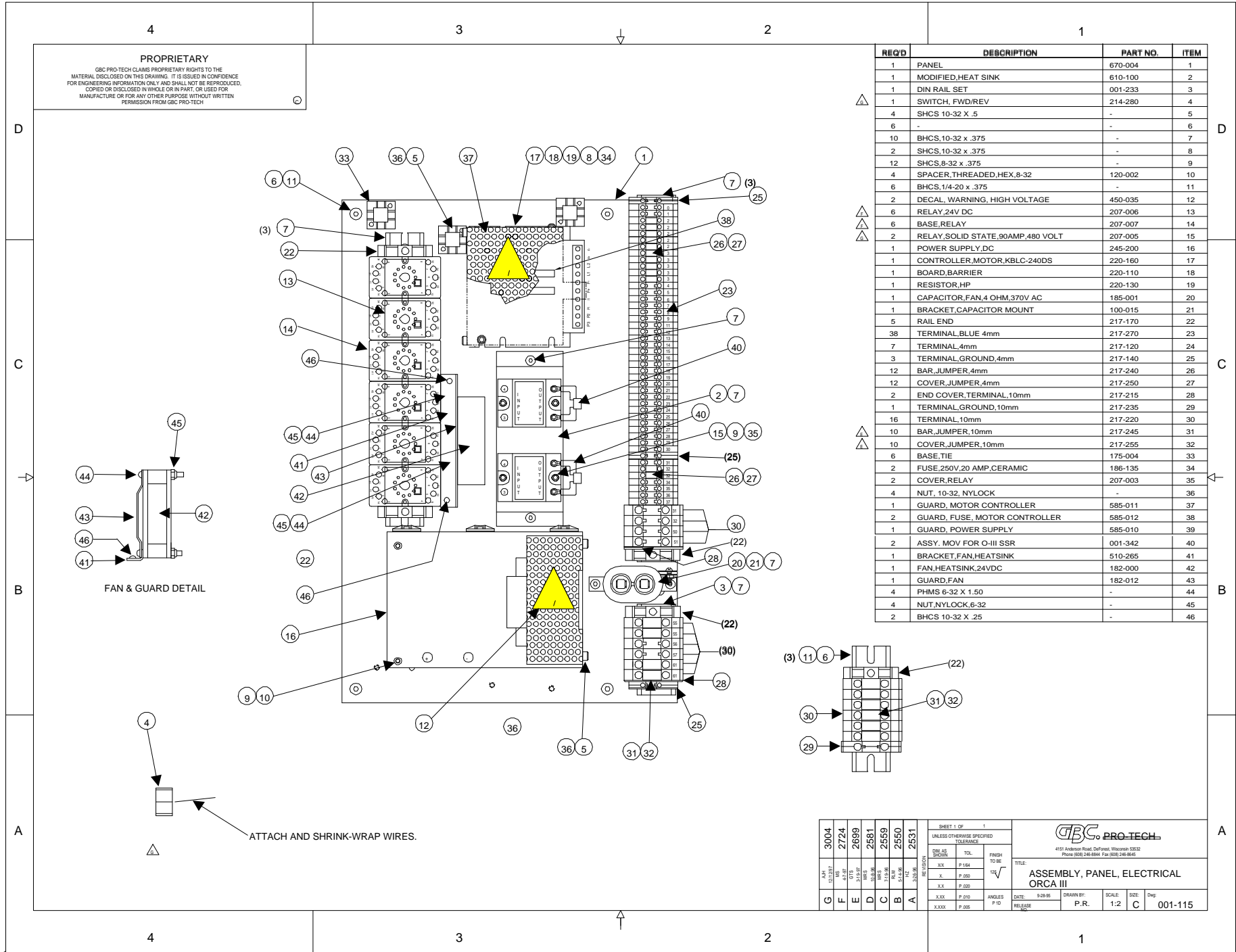
-114 ASSEMBLY

SCALE: 1/1

UNLESS OTHERWISE SPECIFIED TOLERANCE: DIM. AS SHOWN XX P.164 X P.020 X.X P.020 X.XX P.010 X.XXX P.005		FINISH TO BE: 12.5	ANGLE P TO:	DATE:	DRAWN BY:	DWG SCALE:	Dwg:
REVISION: 1077 A		TITLE: Collar, Core End, Unwind ORCA III		#REF!	#REF!	#REF!	001 - 114

Pro-Tech Engineering

2117 N. Slaughter Rd. Madison, Wisconsin 53704
 Phone (608) 246-8844 Fax (608) 246-8646



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REQ'D	DESCRIPTION	PART NO.	ITEM
1	PANEL	670-004	1
1	MODIFIED,HEAT SINK	610-100	2
1	DIN RAIL SET	001-233	3
1	SWITCH, FWD/REV	214-280	4
4	SHCS 10-32 X .5	-	5
6	-	-	6
10	BHCS,10-32 x .375	-	7
2	SHCS,10-32 x .375	-	8
12	SHCS,8-32 x .375	-	9
4	SPACER,THREADED,HEX,8-32	120-002	10
6	BHCS,1/4-20 x .375	-	11
2	DECAL, WARNING, HIGH VOLTAGE	450-035	12
6	RELAY,24V DC	207-006	13
6	BASE,RELAY	207-007	14
2	RELAY,SOLID STATE,90AMP,480 VOLT	207-005	15
1	POWER SUPPLY,DC	245-200	16
1	CONTROLLER,MOTOR,KBLC-240DS	220-160	17
1	BOARD,BARRIER	220-110	18
1	RESISTOR,HP	220-130	19
1	CAPACITOR,FAN,4 OHM,370V AC	185-001	20
1	BRACKET,CAPACITOR MOUNT	100-015	21
5	RAIL END	217-170	22
38	TERMINAL,BLUE 4mm	217-270	23
7	TERMINAL,4mm	217-120	24
3	TERMINAL,GROUND,4mm	217-140	25
12	BAR,JUMPER,4mm	217-240	26
12	COVER,JUMPER,4mm	217-250	27
2	END COVER,TERMINAL,10mm	217-215	28
1	TERMINAL,GROUND,10mm	217-235	29
16	TERMINAL,10mm	217-220	30
10	BAR,JUMPER,10mm	217-245	31
10	COVER,JUMPER,10mm	217-255	32
6	BASE,TIE	175-004	33
2	FUSE,250V,.20 AMP,CERAMIC	186-135	34
2	COVER,RELAY	207-003	35
4	NUT, 10-32, NYLOCK	-	36
1	GUARD, MOTOR CONTROLLER	585-011	37
2	GUARD, FUSE, MOTOR CONTROLLER	585-012	38
1	GUARD, POWER SUPPLY	585-010	39
2	ASSY. MOV FOR O-III SSR	001-342	40
1	BRACKET,FAN,HEATSINK	510-265	41
1	FAN,HEATSINK,24VDC	182-000	42
1	GUARD,FAN	182-012	43
4	PHMS 6-32 X 1.50	-	44
4	NUT,NYLOCK,6-32	-	45
2	BHCS 10-32 X .25	-	46

REV	DATE	BY	CHKD	APP'D	DESCRIPTION
3004					
2724					
2699					
2581					
2559					
2550					
2531					

SHEET 1 OF 1
 UNLESS OTHERWISE SPECIFIED TOLERANCES:
 DIM AS SHOWN TOL. FINISH TO BE
 .XX P.184
 .X P.200
 .XX P.200
 .XXX P.010
 .XXXX P.005

DATE: 9-28-85
 DRAWN BY: P.R.
 SCALE: 1:2
 SIZE: C
 Dwg: 001-115

GBC PRO-TECH
 4151 Anderson Road, DanFoss, Wisconsin 53523
 Phone (262) 482-8844 Fax (262) 482-8845

TITLE:
**ASSEMBLY, PANEL, ELECTRICAL
 ORCA III**

FAN & GUARD DETAIL

ATTACH AND SHRINK-WRAP WIRES.

REQ'D	DESCRIPTION	PART NO.	ITEM

NOTES:
 FINISH: GRAY POWDERCOAT BASE ON ALUM. (7035 SMOOTH FINISH)
 REFLEX BLUE SCREEN PRINTING

MATERIAL: 670-001 CONTROL PANEL, FRONT
 450-502 SCREEN PRINT, CNTL PNL, FR

This print is the property of PRO-TECH ENGR. The information thereon is reprinted in confidence.

Pro-Tech Engineering
 2117 N. Stoughton Rd. Madison, Wisconsin 53704
 Phone (608) 246-8844 Fax (608) 246-8645

TITLE:
**CONTROL PANEL, FRONT
 ORCA III**

UNLESS OTHERWISE SPECIFIED TOLERANCE		FINISH TO BE	
DIM. AS SHOWN	TOL.	FINISH TO BE	ANGLES P ID
XX	P .1/64	125°	
X	P .050		
XX	P .020		
XXX	P .010		
X.XXX	P .005		

DWG: 001-117

DWG SCALE: A2

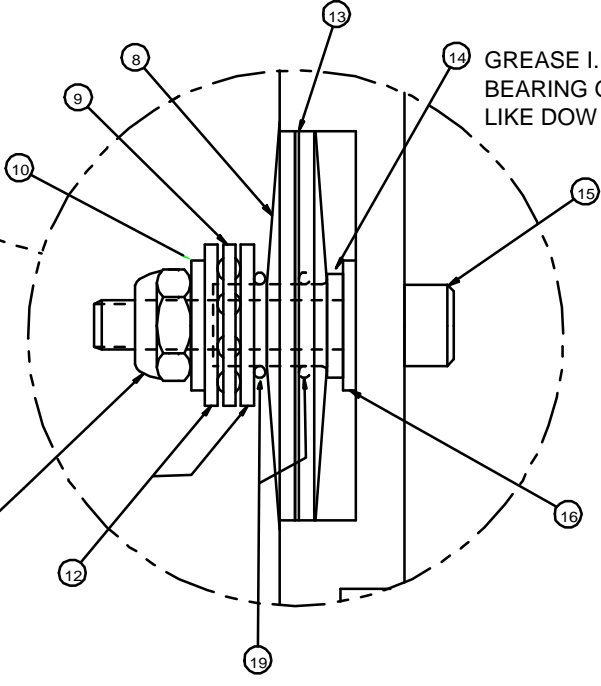
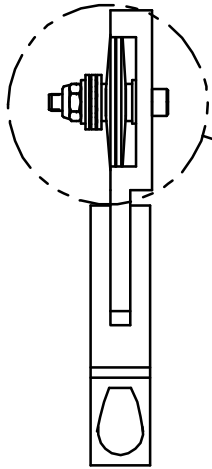
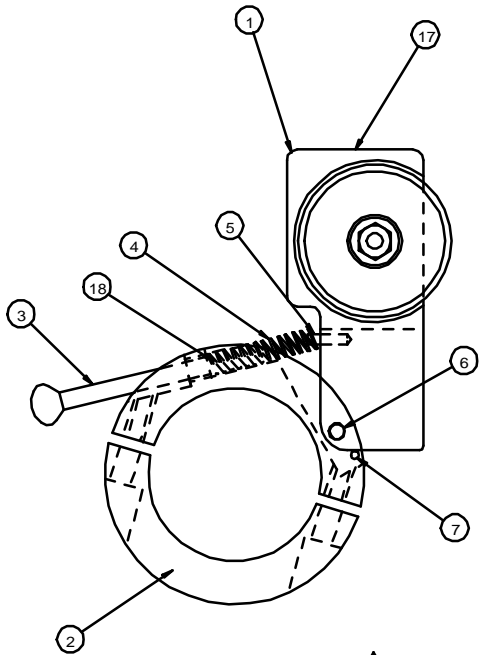
DRAWN BY: P.R.

DATE: 4-27-94

REVISION

REQ'D	DESCRIPTION	PART NO.	ITEM																					
<p>FINISH: GRAY POWDERCOAT BASE ON ALUM. (7035 SMOOTH FINISH) REFLEX BLUE SCREEN PRINTING</p> <p>MATERIAL: 670-003 CONTROL PANEL, REAR 450-505 SCREEN PRINT, CNTL PNL, RR</p> <p>NOTE: 2 PLACE DECIMAL P. 030</p>																								
<p><small>This print is the property of PRO-TECH ENGR. The information thereon is remitted in confidence.</small></p>																								
<p>Pro-Tech Engineering 2117 N. Stoughton Rd. Madison, Wisconsin 53704 Phone (608) 246-8844 Fax (608) 246-8645</p>																								
<p>TITLE: ASSY, SCREEN PRINT, CNTL PNL REAR, ORCA III</p>																								
		DRAWN BY: P.R.	DWG: 001-121																					
		DATE: 04-28-94	DWG SCALE: A2																					
<table border="1"> <thead> <tr> <th colspan="2">UNLESS OTHERWISE SPECIFIED</th> <th>FINISH TO BE</th> </tr> <tr> <th>DIM AS SHOWN</th> <th>TOL.</th> <th></th> </tr> </thead> <tbody> <tr> <td>.X/X</td> <td>P .1/64</td> <td>125</td> </tr> <tr> <td>X.</td> <td>P .050</td> <td></td> </tr> <tr> <td>X.X</td> <td>P .020</td> <td></td> </tr> <tr> <td>X.XX</td> <td>P .010</td> <td></td> </tr> <tr> <td>X.XXX</td> <td>P .005</td> <td></td> </tr> </tbody> </table>				UNLESS OTHERWISE SPECIFIED		FINISH TO BE	DIM AS SHOWN	TOL.		.X/X	P .1/64	125	X.	P .050		X.X	P .020		X.XX	P .010		X.XXX	P .005	
UNLESS OTHERWISE SPECIFIED		FINISH TO BE																						
DIM AS SHOWN	TOL.																							
.X/X	P .1/64	125																						
X.	P .050																							
X.X	P .020																							
X.XX	P .010																							
X.XXX	P .005																							
<table border="1"> <thead> <tr> <th colspan="2">REVISION</th> <th>ANGLES P 1 D</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>				REVISION		ANGLES P 1 D																		
REVISION		ANGLES P 1 D																						

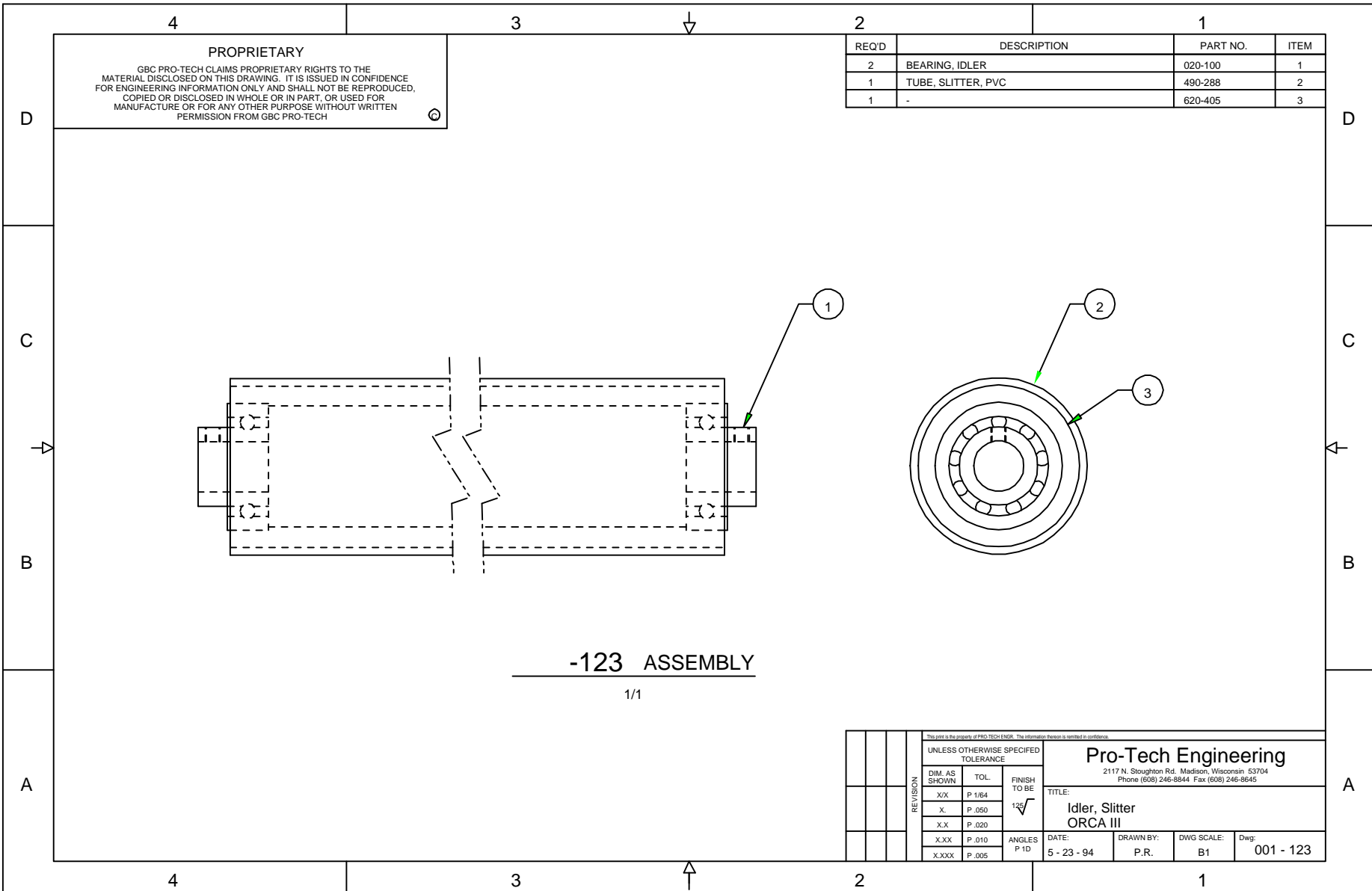
REQ'D	DESCRIPTION	PART NO.	ITEM
1	ARM, SLITTER	740-006	1
1	-	740-052	2
1	SCREW, THUMB	505-010	3
1	SPRING, TENSION	089-150	4
1	ROLL PIN, 1/8 X 1/2 LG	095-100	5
1	DOWEL PIN, 3/16 X 1/2 LG	095-140	6
1	ROLL PIN, 3/32 X 5/8 LG	095-120	7
2	WASHER, CONCAVE	740-007	8
1	BEARING, THRUST, 5/16 X 5/8	032-003	9
1	WASHER, FLAT, 3/16	-	10
1	NUT, NYLOCK, 10-32	-	11
2	WASHER, THRUST, 5/16 X 5/8	032-004	12
1	BLADE, SLITTER, CIRCULAR	475-001	13
1	FLANGED BUSHING, STEEL	040-037	14
1	SCREW, SLITTER SHAFT	645-004	15
1	WASHER, THRUST, 3/16 X 1/2	032-005	16
1	LABEL, WARNING	450-012	17
1	RIVET, FLTHD, 1/8 X 1/4 X 1/4 LG	-	18
2	O-RING	480-030	19
2	SHCS, STAINLESS STEEL 5/16-24 X 3/4	-	20



NOTE: REPLACE SUPPLIED BOLTS WITH ITEM 20

TIGHTEN -11- ONTO -15- UNTIL ALL OF -9- IS
 PILOTED ON -14-. THE -13- AND -14- MUST
 ROTATE FREELY TOGETHER ON -15-.

3006	2591	1122	1013	0667	0442	UNLESS OTHERWISE SPECIFIED TOLERANCE:		Pro-Tech Engineering	
DATE	REV	BY	CHK	APP	REV	DRAWN BY	DATE	DWG SCALE	Dwg
									001 - 122



PROPRIETARY
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REQD	DESCRIPTION	PART NO.	ITEM
2	BEARING, IDLER	020-100	1
1	TUBE, SLITTER, PVC	490-288	2
1	-	620-405	3

-123 ASSEMBLY
 1/1

UNLESS OTHERWISE SPECIFIED TOLERANCE				Pro-Tech Engineering 2117 N. Stoughton Rd. Madison, Wisconsin 53704 Phone (608) 246-8844 Fax (608) 246-8645			
DIM. AS SHOWN	TOL.	FINISH TO BE	TITLE: Idler, Slitter ORCA III	DATE:	DRAWN BY:	DWG SCALE:	Dwg:
X/X	P. 1/64	125		5 - 23 - 94	P.R.	B1	001 - 123
X	P. .050						
X.X	P. .020						
X.XX	P. .010	ANGLES P. 1D					
X.XXX	P. .005						

MACHINE IDENTIFIER { O } YEAR { 6 } MONTH { 3 } SEQUENTIAL NUMBER { 08941234 }

USERIAL NUMBER
UEXAMPLE

REQ'D	DESCRIPTION	PART NO.	ITEM
1	SERIAL PLATE, UL	450-016	1
1	TYPEWRITER RIBBON, UL RECOGNIZED	450-024	2
1	DECAL, TUV LOGO	450-017	3

PRO-TECH ENGINEERING, INC.
MADISON, WISCONSIN

THIS DEVICE COMPLIES WITH PART 15 OF FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIREED OPERATION.

Model No. **ORCA 3** Serial No. **O63XXXXXXXXX**

220-240 VAC **230/400**

50/60 Hz **50**

55 Amps **25**

1 Phase **3 N**

3 Wires **5**

U.S. PATENT NOS: 5,316,609 5,114,520

CISPR 22 CLASS B

MADE IN U.S.A.

1

SEE EXAMPLE

PLACE TUV STICKER HERE

3

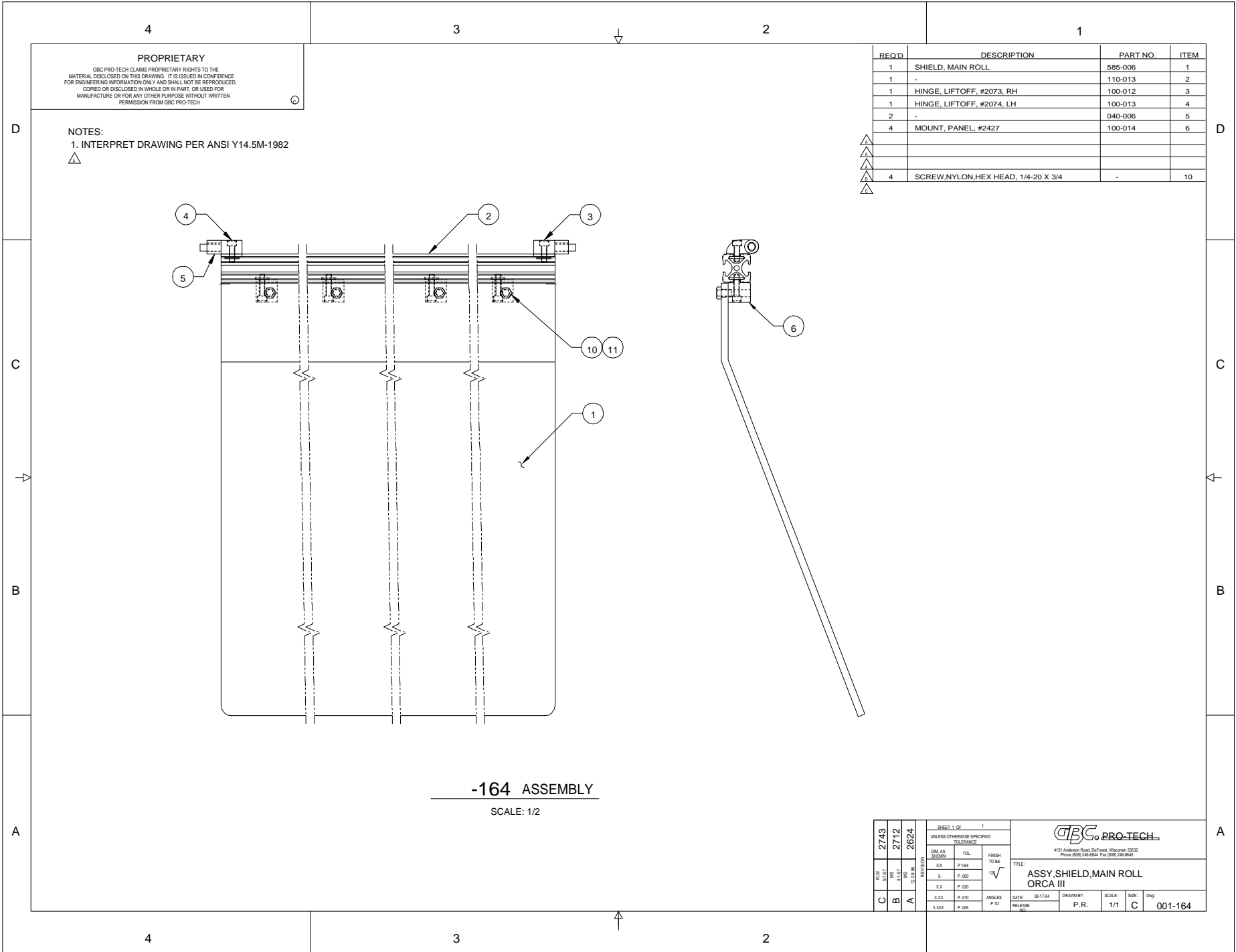
NOTES:

1. TYPE IN MODEL, SERIAL NUMBER, RATINGS, AND MISC. NOTES AS SHOWN.
2. USE ONLY TYPEWRITER RIBBON UL RECOGNIZED FOR USE WITH TAILORED LABEL PRODUCT MATERIAL NUMBER TLP 305. (SEE ABOVE)

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UNLESS OTHERWISE SPECIFIED TOLERANCE		Pro-Tech Engineering	
2117 N. Stoughton Rd. Madison, Wisconsin 53704 Phone (608) 246-8844 Fax (608) 246-8645		TITLE:	
ASSY, SERIAL PLATE		ORCA III	
DATE:	DRAWN BY:	DWG SCALE:	Dwg:
11-30-94	GTS	A1	001-160

REVISION

DIM. AS SHOWN	TOL.	FINISH TO BE
X/X	P 1/64	125√
X.	P .050	
X.X	P .020	
X.XX	P .010	ANGLES P 1D
X.XXX	P .005	



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NOTES:
 1. INTERPRET DRAWING PER ANSI Y14.5M-1982
 ▲

REQ'D	DESCRIPTION	PART NO.	ITEM
1	SHIELD, MAIN ROLL	585-006	1
1	-	110-013	2
1	HINGE, LIFTOFF, #2073, RH	100-012	3
1	HINGE, LIFTOFF, #2074, LH	100-013	4
2	-	040-006	5
4	MOUNT, PANEL, #2427	100-014	6
4	SCREW, NYLON, HEX HEAD, 1/4-20 X 3/4	-	10

-164 ASSEMBLY
 SCALE: 1/2

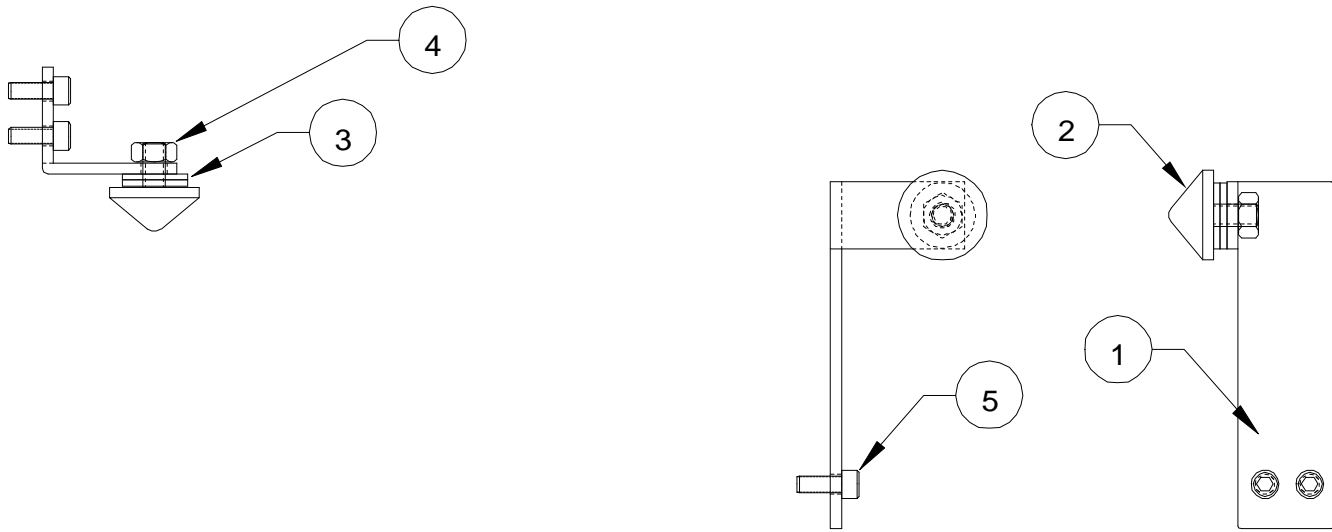
REV	2743	SHEET 1 OF 1		
DATE	2712	UNLESS OTHERWISE SPECIFIED		
BY	2624	TOLERANCE		
APP		DIM AS SHOWN	TOL.	FRESH TO BE
		XXX	P.164	12R
		XX	P.050	12R
		X.X	P.050	
		X.XX	P.050	
		X.XXX	P.050	
		ANGLES	P.10	
		RELEASE	P.10	
		DATE	08-17-04	
		DRAWN BY	P.R.	
		SCALE	1/1	
		SIZE	C	
		CHK		001-164



415 Anderson Road, DeForest, Wisconsin 53532
 Phone (920) 248-8844 Fax (920) 246-8400

ASSY, SHIELD, MAIN ROLL
ORCA III

REQ'D	DESCRIPTION	PART NO.	ITEM
1	BRKT, STOP, SHIELD, RIGHT	510 - 096	1
1	BUMPER, RUBBER, CONICAL	465-500	2
3	-	-	3
1	NUT, 1/4-20	-	4
2	SCREW, CAP, 10-32 X 1/2 LG	-	5

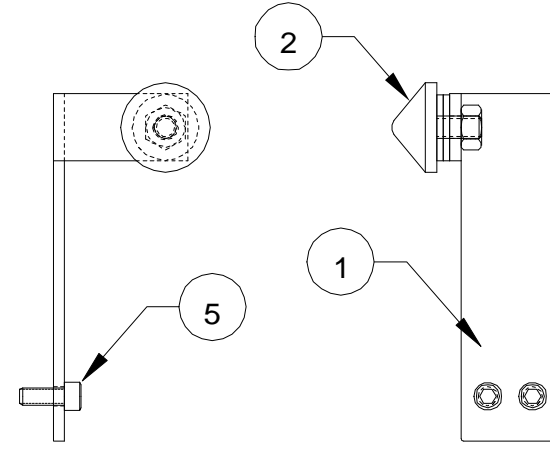
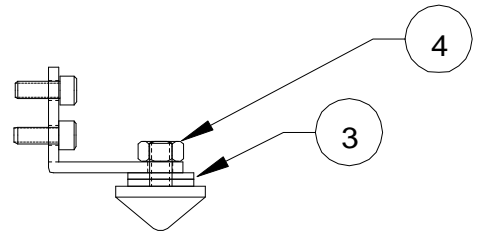


-165 ASSEMBLY

SCALE: 1/2

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UNLESS OTHERWISE SPECIFIED TOLERANCE			Pro-Tech Engineering 2117 N. Stoughton Rd. Madison, Wisconsin 53704 Phone (608) 246-8844 Fax (608) 246-8645			
REVISION	DIM. AS SHOWN	TOL.				
	X/X	P 1/64	125√	ASSEMBLY, BRACKET, STOP, SHIELD RIGHT, ORCA III		
	X.	P .050				
	X.X	P .020	ANGLES P 1D	DATE:	DRAWN BY:	DWG SCALE:
	X.XX	P .010		#REF!	#REF!	#REF!
	X.XXX	P .005				Dwg: 001 - 165


REQ'D	DESCRIPTION	PART NO.	ITEM
1	BRKT, STOP, SHIELD, LF	510-097	1
1	BUMPER, RUBBER, CONICAL	465-500	2
3	-	-	3
1	NUT, 1/4-20	-	4
2	SCREW, CAP, 10-32 X 1/2 LG	-	5



-166 ASSEMBLY
SCALE: 1/2

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UNLESS OTHERWISE SPECIFIED TOLERANCE			Pro-Tech Engineering 2117 N. Stoughton Rd. Madison, Wisconsin 53704 Phone (608) 246-8844 Fax (608) 246-8645		
REVISION	DIM. AS SHOWN	TOL.			
	X/X	P 1/64	125√	ASS'Y, BRACKET, STOP, SHIELD LEFT- ORCA 3	
	X.	P .050			
	X.X	P .020			
	X.XX	P .010	ANGLES P 1D	DATE: 8-17-94	DRAWN BY: P.R.
	X.XXX	P .005		DWG SCALE: A2	Dwg: 001-166

REQ'D	DESCRIPTION	PART NO.	ITEM
4	ASSY, SLITTER, INFEED/OUTFEED	001-122	1
4	CARRIER, FUSE, INTERNATIONAL	186-001	2
4	FUSE, 1-1/4X1/4, SB, 3AG	186-200	3
4	PAD, LEVELING	470-100	4
1	TAPE, MASKING	475-000	5
1	BOX, ACCESSORY	475-010	6
1	MEASURE, TAPE,	475-100	7
1	WRENCH, ALLEN, T-HANDLE, 5/16	475-220	8
1	WRENCH SET, ALLEN	475-230	9
2	BLADE, SLITTER, HOOKED	475-300	10
1	KNIFE, ZIPPY	475-620	11
△ _D	1 COUPLING, 1/4, AIR FITTING	330-000	12
△ _D	1 AIR HOSE, W/FITTINGS, 12FT	360-000	13
	4 O-RING, BRAKE	480-005	14
			15
			16
1	ERASER, CHARRETTE	930320	17
1	MANUAL, OPERATION, ORCA II	930402	18
2	ASSY, SLITTER, OUTFEED	001-109	19
1	BRAKE PAD, UNWIND/REWIND	375-000	20
1	BRAKE, MOUNTED, UNWIND/REWIND	625-006	21
1	WRENCH, ALLEN, 1/4, MOD.	485-001	22
1	BLADE, CIRCULAR	475-001	23
△ _E	1 STAIN RELIEF, MAIN POWER	175-201	24

E	MS	2965	REVISION	UNLESS OTHERWISE SPECIFIED TOLERANCE			 4151 Anderson Road, DeForest, Wisconsin 53532 Phone (608) 246-8844 Fax (608) 246-8645	TITLE: Assembly, Accessory Pack		
	10-6-97			DIM. AS SHOWN	TOL.	FINISH TO BE				
	AJT	2559		X/X	P 1/64	125√				
	06-07-96			X.	P .050					
	RLM	2538		X.X	P .020					
4-10-96		X.XX	P .010	ANGLES P 1D	DATE:	DRAWN BY:	DWG SCALE:	Dwg:		
RLM	2499	X.XXX	P .005					001 - 170		
12-13-95										
P.R.	0999									
6-1-95										

REQ'D	DESCRIPTION	PART NO.	ITEM
1	CYLINDER, MAIN ROLL	320-310	-
1	CONTROLLER, HEATER	230-001	-
1	VALVE, AIR, SOLENOID, 24VDC	350-115	-
1	SWITCH, RUN/STOP	214-290	-
1	SWITCH, ON/OFF	214-270	-
1	SWITCH, FWD/REV	214-280	-
1	GAUGE, PRESSURE, 0-100, 1/8	340-113	-
1	REGULATOR, AIR	340-150	-
1	FILTER, AC LINE, 30A	185-002	-
1	FILTER, RF, MOTOR BOARD	185-003	-
1	PHOTOEYE, 24VDC	250-000	-
2	HEATER, TUBULAR, 5500W@220VAC	189-332	-



REQ'D	DESCRIPTION	PART NO.	ITEM
1	POWER SUPPLY, 24VDC, 3.6A	245-200	-
1	TAPE, REFLECTIVE	780-004	-
1	CAPACITOR	185-001	-
5	CABLE TIE BASES	175-004	-
1	THERMOSTAT, UPPER, 160%±D	230-004	-
1	THERMOSTAT, LOWER, 140%±D	230-000	-
1	MICROSWITCH, SAFETY CABLE	214-330	-
1	VALVE, CYLINDER ADJUST	330-130	-
1	SWITCH, PROXIMITY	219-001	-
1	CIRCUIT BREAKER, 30-30-10	186-007	-
1	RELAY, SOLID STATE, DC INPUT	207-002	-
1	SENSOR, INFRA RED	230-006	-
2	-	068-003	-
2	TUBE, REWIND	860-000	-
3	FUSE, 1/4 X 1-1/4 S.B.	186-200	-
1	MOTOR, DRIVE	425-135	-
1	CONTROL BOARD, MOTOR	220-160	-
1	RESISTOR, 1/4 HP	220-130	-
1	RELAY, CONTROL, 24VDC	207-000	-
6	O-RING, UNWIND BRAKE	480-005	-
1	CYLINDER, PULL ROLL	320-300	-
2	-	540-546	-



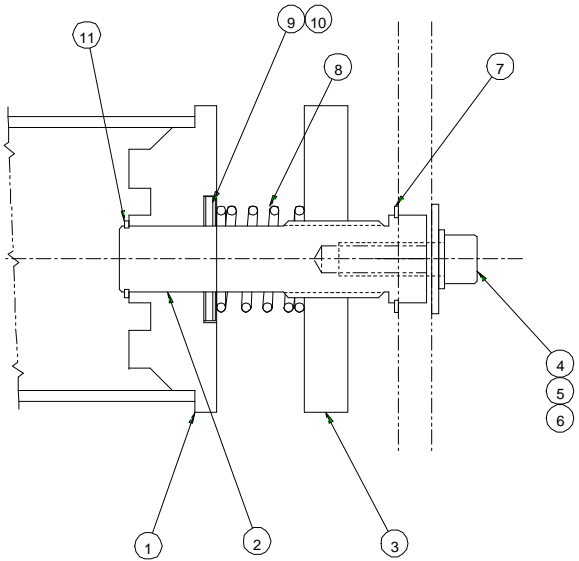
NOTES:

THIS KIT IS FOR MODEL OF ORCA 3
USING DC CURRENT EXCLUSIVELY.
KIT COVERS SERIAL NUMBERS 06305941078 ON

UNLESS OTHERWISE SPECIFIED TOLERANCE				Pro-Tech Engineering 2117 N. Slaughter Rd. Madison, Wisconsin 53704 Phone (608) 246-8844 Fax (608) 246-8645			
REVISION	DWG. AS SHOWN	TOL.	FINISH TO BE	TITLE:			
	XX	P.1/64	1/4	KIT, SPARE PARTS			
	X	P.050		ORCA 3			
	X.X	P.020		ANGLE:	DATE:	DRAWN BY:	DWG SCALE:
	X.XX	P.010		P.1D	12-22-94	P.R.	C1
	X.XXX	P.005					Dwg: 001-171

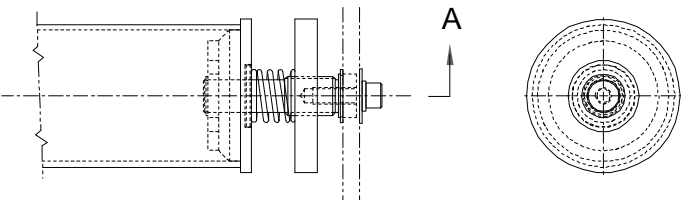
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REV. CHANGED

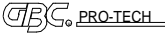
REQD	DESCRIPTION	PART NO.	ITEM
1	PLUG, CLUTCH, ORCA I	X92-0112	1
1	SHAFT, REWIND, STANDOFF	X92-0113	2
1	KNOB, CLUTCH, KNURLED	625-007	3
1	3/8-16 X 1 LG SHCS	-	4
1	3/8 FLATWASHER	-	5
1	3/8 LOCKWASHER	-	6
1	-	090-140	7
1	-	089-200	8
2	WASHER, THRUST, .030 THK	032-242	9
1	BEARING, THRUST	032-390	10
1	SNAP RING, 3/4 SHAFT, EXTERNAL	090-135	11



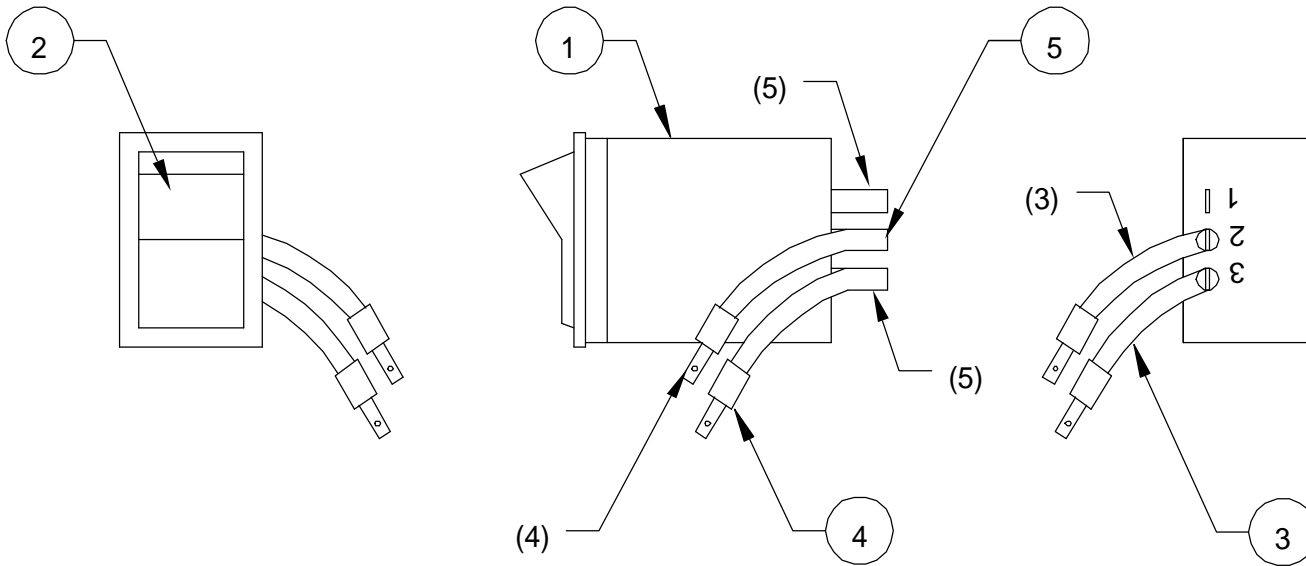
SECTION A-A

SCALE: 1/1



SHEET 1 OF 1		UNLESS OTHERWISE SPECIFIED TOLERANCE		 4151 Anderson Road, DuPont, Wisconsin 53032 Phone (808) 246-8844 Fax (808) 246-8845	
REV	DESCRIPTION	TOL.	FINISH TO BE	TITLE: ASSY, REWIND, BRAKE ORCA III DATE: 11-15-94 DRAWN BY: RAS SCALE: 1:2 SIZE: C Dwg: 001-181 RELEASE	
X	P. 184				
X	P. 050				
X	P. 020				
X	P. 010				
X	P. 005			ANGLES P 10	

REQ'D	DESCRIPTION	PART NO.	ITEM
1	SWITCH, ON-OFF, FAN	214-270	1
1	COVER, ROCKER SWITCH, BLACK	214-296	2
2	-	-	3
2	DISCONNECT, MALE, .110	-	4
3	TUBING, HEAT SHRINK	-	5

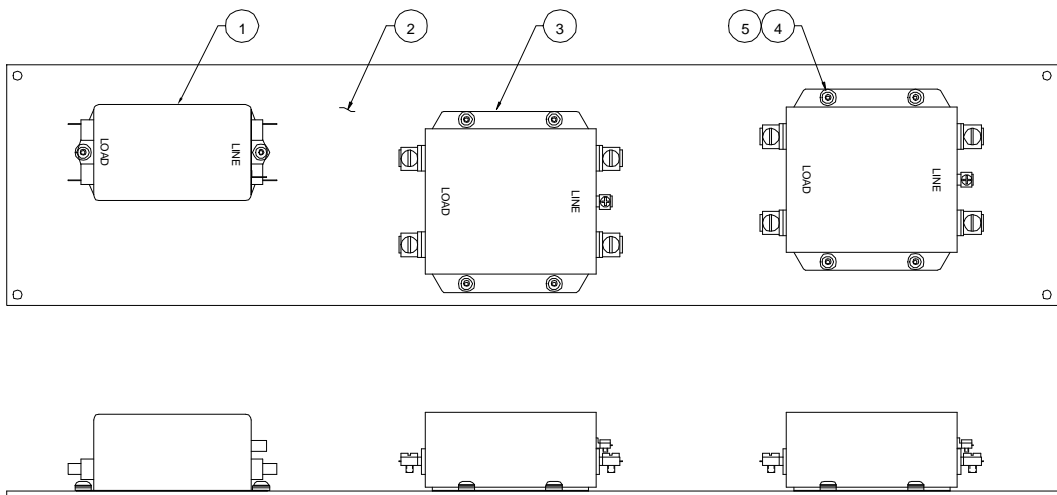


NOTES:

- 1. 22 GA. WIRE (ITEM 3) TO BE SOLDERED TO SWITCH TERMS 2 AND 3.
- 2. LABEL WIRE FROM TERM 2 #35
- 3. LABEL WIRE FROM TERM 3 #36

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UNLESS OTHERWISE SPECIFIED TOLERANCE			Pro-Tech Engineering 2117 N. Stoughton Rd. Madison, Wisconsin 53704 Phone (608) 246-8844 Fax (608) 246-8645			
DIM. AS SHOWN	TOL.	FINISH TO BE				
X/X	P 1/64	125√				
X.	P .050					
X.X	P .020	ANGLES P 1D				
X.XX	P .010					
X.XXX	P .005					
REVISION	TITLE: ASS'Y, SWITCH, FAN O3		DATE: 11-17-94	DRAWN BY: P.R.	DWG SCALE: A1	Dwg: 001-189

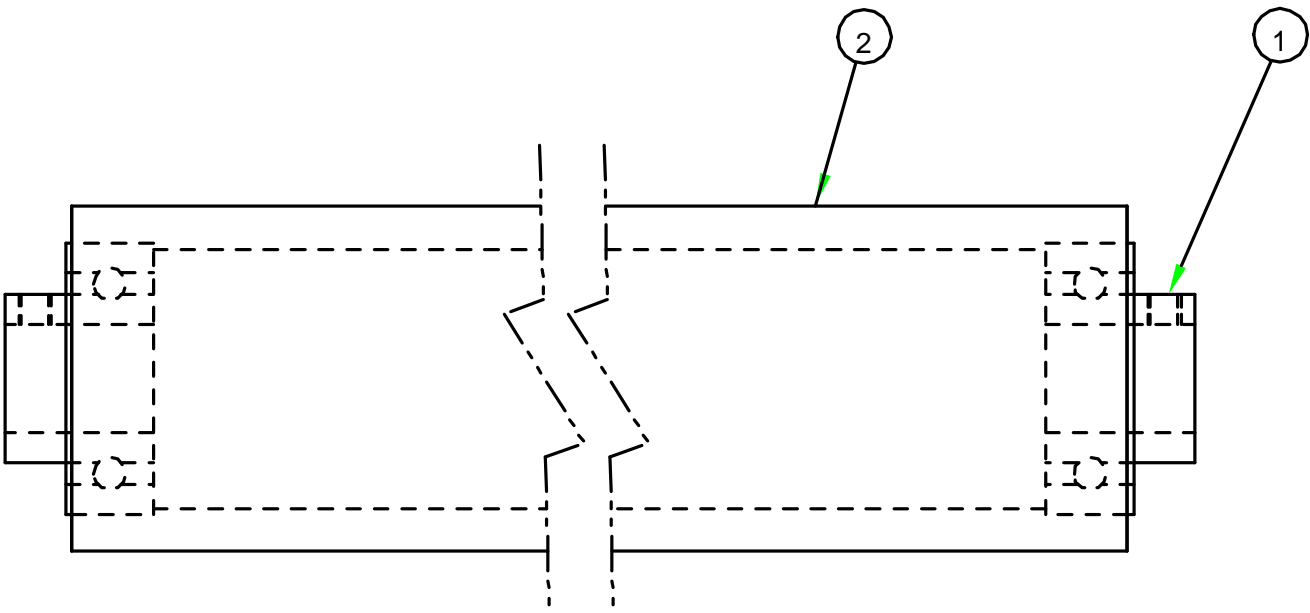
REQ'D	DESCRIPTION	PART NO.	ITEM
1	FILTER, MOTOR BOARD	185-003	1
1	PLATE, FILTER MOUNT	672-013	2
2	FILTER, AC LINE	185-002	3
10	BHCS, 6-32 X 1/4	-	4
10	WASHER, FLAT, #6	-	5



APPLY LOCTITE BLUE NOTE:
ALL GROUNDS ARE COLORED GREEN, 10" LONG TWISTED.

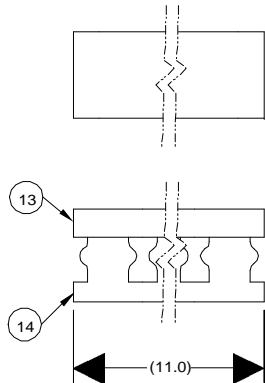
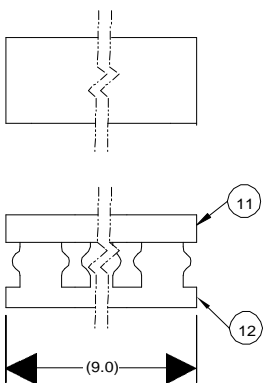
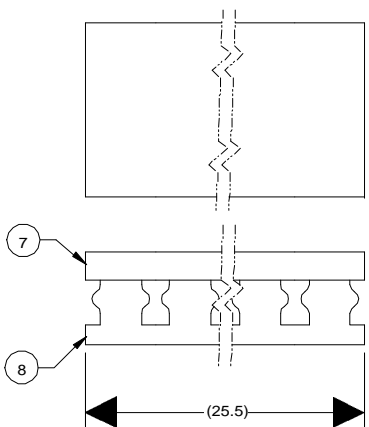
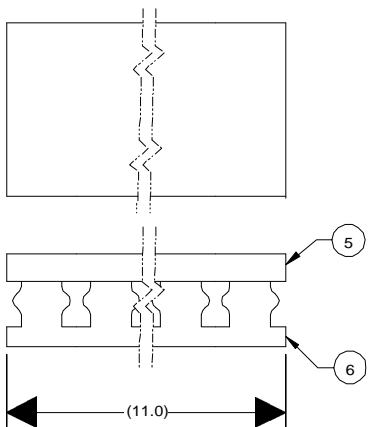
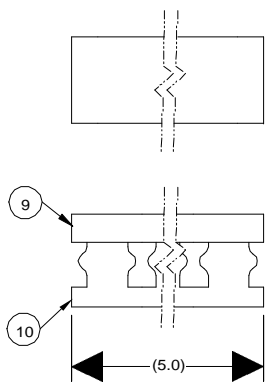
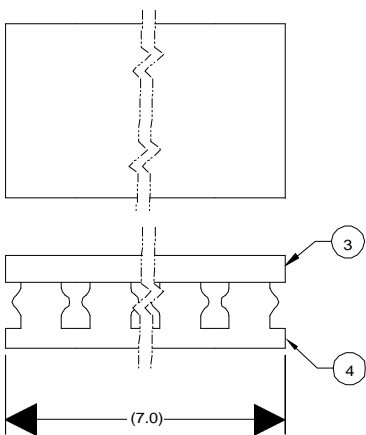
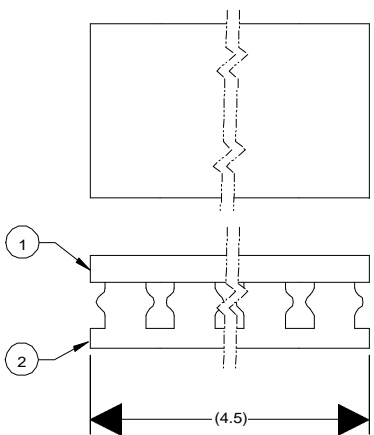
3010		UNLESS OTHERWISE SPECIFIED TOLERANCE		Pro-Tech Engineering 2117N. Stoughton Rd. Madison, Wisconsin 53704 Phone (608) 246-8844 Fax (608) 246-8645	
DIM AS SHOWN	TOL.	FINISH TO BE	TITLE: ASSEMBLY, NOISE FILTER		
XX	P.184	HA	DATE:	DRAWN BY:	DWG SCALE:
X	P.050		12-30-94	P.R.	C2
X.X	P.020		ANGLES P 1D	Dwg:	001-225
X.XX	P.010				
X.XXX	P.005				

REQ'D	DESCRIPTION	PART NO.	ITEM
2	BEARING, IDLER	020-100	1
1	-	620-405	2



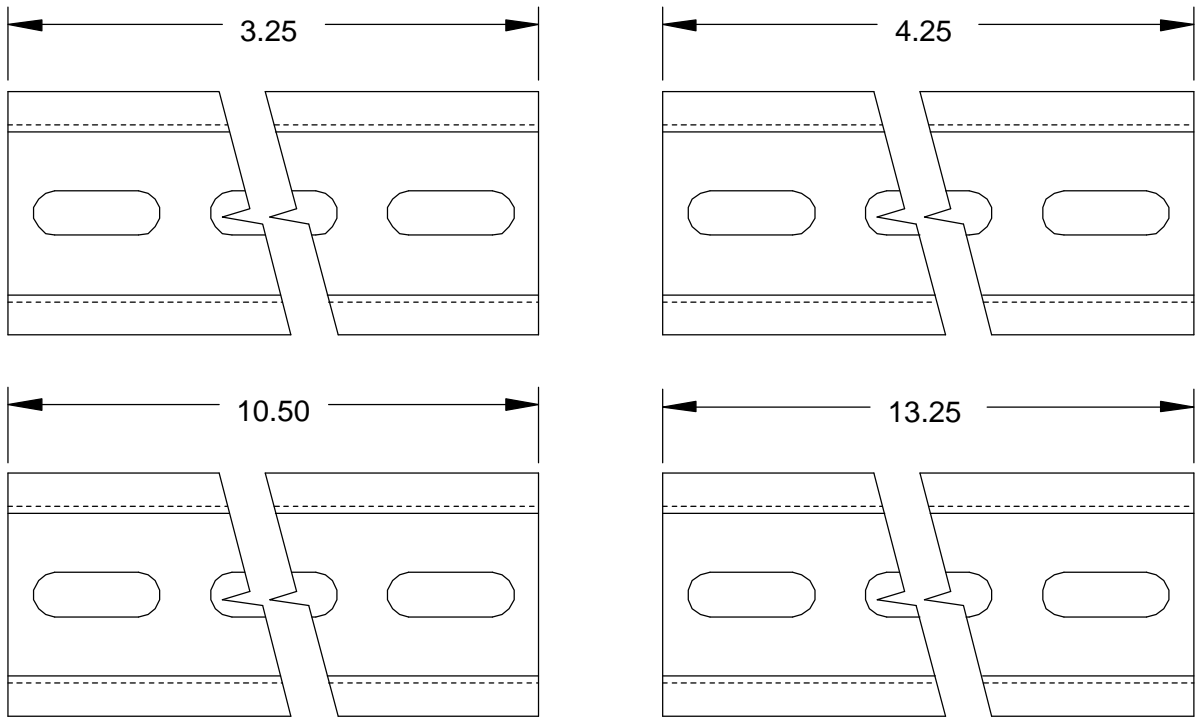
<small>This print is the property of PRO-TECH ENGR. The information thereon is remitted in confidence.</small>						
UNLESS OTHERWISE SPECIFIED TOLERANCE			Pro-Tech Engineering 2117 N. Stoughton Rd. Madison, Wisconsin 53704 Phone (608) 246-8844 Fax (608) 246-8645			
DIM. AS SHOWN	TOL.	FINISH TO BE				
X/X	P 1/64	$125\sqrt{\quad}$	TITLE: Assembly, Idler ORCA III			
X.	P .050					
X.X	P .020					
X.XX	P .010	ANGLES P 1D	DATE:	DRAWN BY:	DWG SCALE:	Dwg:
X.XXX	P .005		1 - 10 - 95	K.L.	A1	001 - 226

REQ'D	DESCRIPTION	PART NO.	ITEM
1	-	180-120	1
1	-	180-100	2
1	-	180-120	3
1	-	180-100	4
1	-	180-120	5
1	-	180-100	6
1	-	180-120	7
1	-	180-100	8
2	-	180-130	9
2	-	180-110	10
1	-	180-130	11
1	-	180-110	12
1	-	180-130	13
1	-	180-110	14



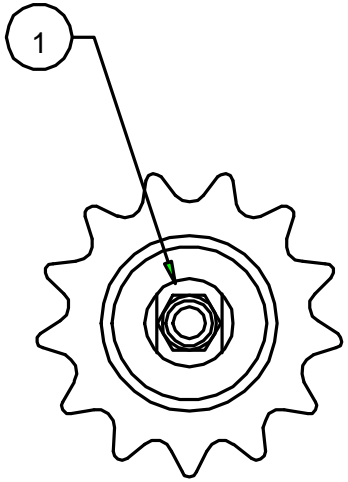
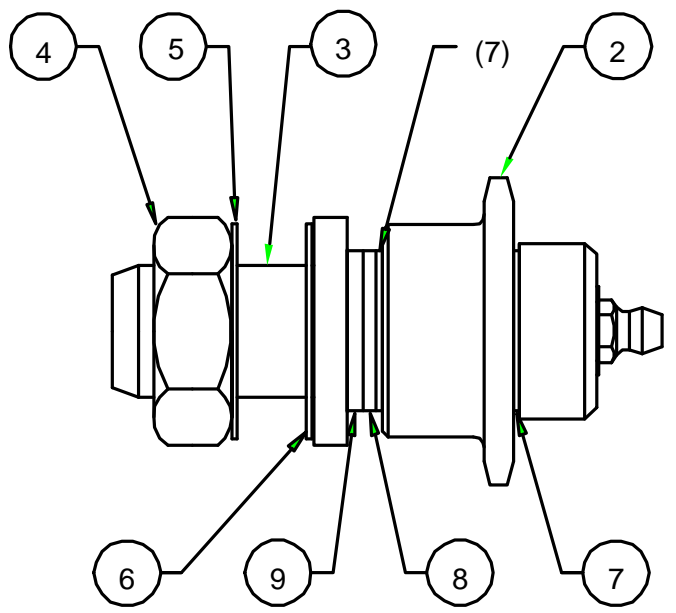
UNLESS OTHERWISE SPECIFIED TOLERANCE:				FINISH TO BE:			
DIM. AS SHOWN	TOL.						
.XX	P.184			125			
X.	P.250						
.XX	P.020						
.XXX	P.010	ANGLES	DATE:	08-16-95	DRAWN BY:	P.R.	DWG SCALE:
.XXX	P.005	P.D.					C1
TITLE: ASSEMBLY, PANDUIT, MAIN CHASSIS							Dwg: 001-231

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	-	DIN RAIL	217-200	-



SHEET 1 OF 1		UNLESS OTHERWISE SPECIFIED TOLERANCE		<p>4151 Anderson Road, DeForest, Wisconsin 53532 Phone (608) 246-8844 Fax (608) 246-8645</p>	
DIM. AS SHOWN	TOL.	FINISH TO BE	TITLE:		
X/X	P 1/64	125√	SET, DIN RAIL		
X.	P .050				
X.X	P .020	ANGLES P 1D	-		
X.XX	P .010				
X.XXX	P .005				
REVISION	DATE: 7-19-96	DRAWN BY: RLM	SCALE: 1/1	SIZE: A	Dwg: 001-233
	RELEASE NO.				

REQ'D	DESCRIPTION	PART NO.	ITEM
1	SHAFT, IDLER	440-110	1
1	SPROCKET, 13T	440-125	2
1	BOLT, MOD., 3/4-16 X 1	505-002	3
1	NUT, JAM, 3/4-16	-	4
1	WASHER, THRUST	032-291	5
1	WASHER, STAR, INT. TOOTH, 3/4	068-002	6
2	WASHER, THRUST	032-130	7
1	BEARING, THRUST	032-120	8
1	WASHER, THRUST	032-145	9

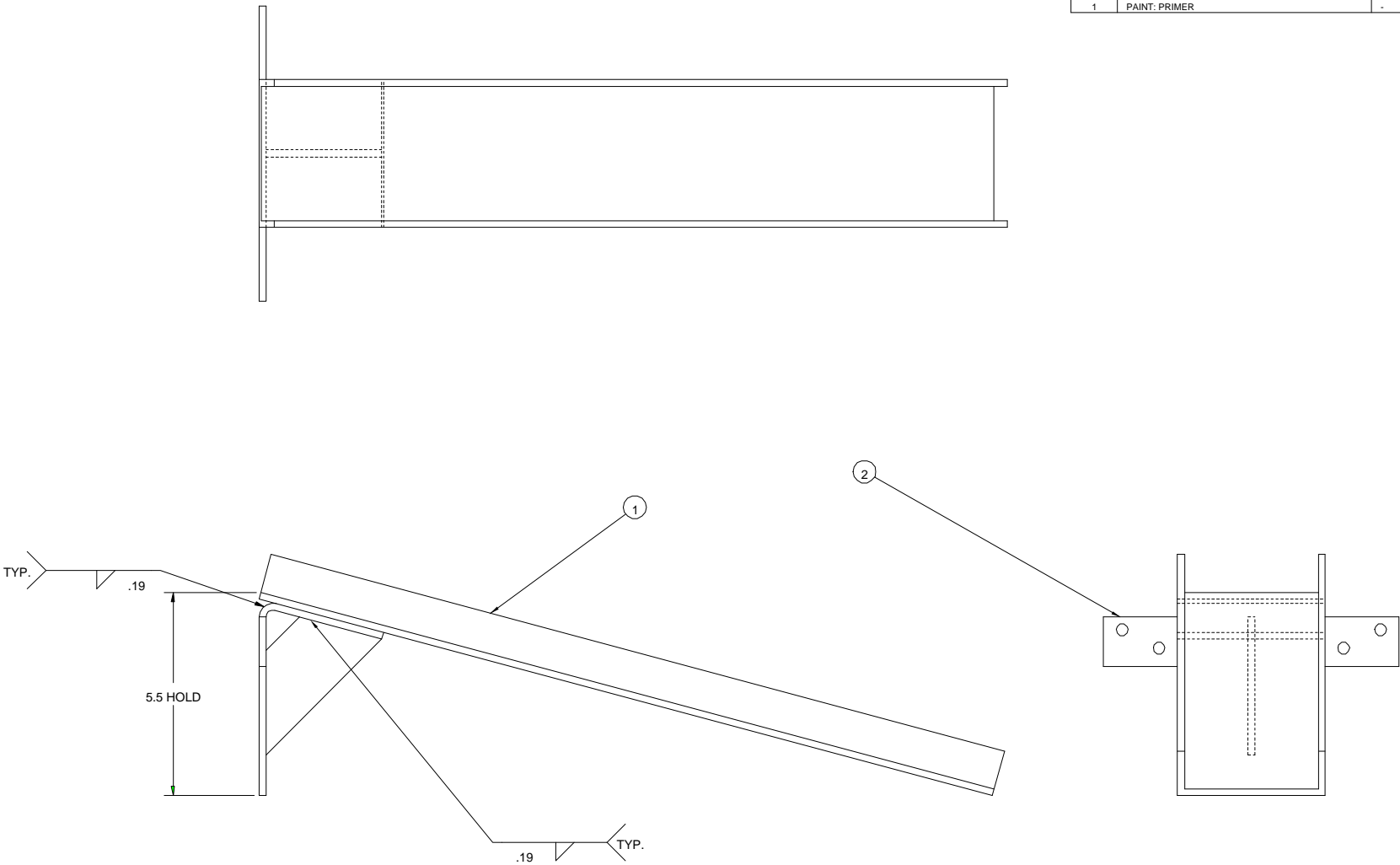


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UNLESS OTHERWISE SPECIFIED TOLERANCE		Pro-Tech Engineering	
		<small>2117 N. Stoughton Rd. Madison, Wisconsin 53704 Phone (608) 246-8844 Fax (608) 246-4685</small>	
REVISION	DIM. AS SHOWN	TOL.	FINISH TO BE
	X/X	P 1/64	125√
	X.	P .050	
	X.X	P .020	
	X.XX	P .010	
	X.XXX	P .005	ANGLES P 1D
		DATE:	DRAWN BY:
		2 - 23 - 95	P.R.
		DWG SCALE:	Dwg:
		A1	001 - 242
TITLE: Assembly, Sprocket, Idler, Adjustable, Secondary ORCA III			

REQ'D	DESCRIPTION	PART NO.	ITEM
2	DECAL,DANGER HAZARDOUS VOLTAGE	450-131	1
1	DECAL,WARNING MOVING PARTS	450-132	2
2	DECAL,WARNING CRUSH AND BURN,LEFT	450-133	3
2	DECAL,WARNING CRUSH AND BURN,RIGHT	450-134	4
1	DECAL,WARNING READ MANUAL	450-135	5
1	DECAL,READ SAFETY INSTRUCTIONS	450-136	6
1	DECAL,WARNING,MODIFIED CRUSH/CUT	450-011	7

<small>This print is the property of PRO-TECH ENGR. The information thereon is remitted in confidence.</small>											
UNLESS OTHERWISE SPECIFIED TOLERANCE					Pro-Tech Engineering 2117 N. Stoughton Rd. Madison, Wisconsin 53704 Phone (608) 246-8844 Fax (608) 246-8645						
DIM. AS SHOWN		TOL.		FINISH TO BE							
X/X		P 1/64		125√	TITLE: Kit, Safety Label ORCA III						
X.		P .050									
X.X		P .020									
X.XX		P .010		ANGLES P 1D	DATE: 3 - 2 - 95		DRAWN BY: K.L.		DWG SCALE: A1		Dwg: 001 - 259
X.XXX		P .005									

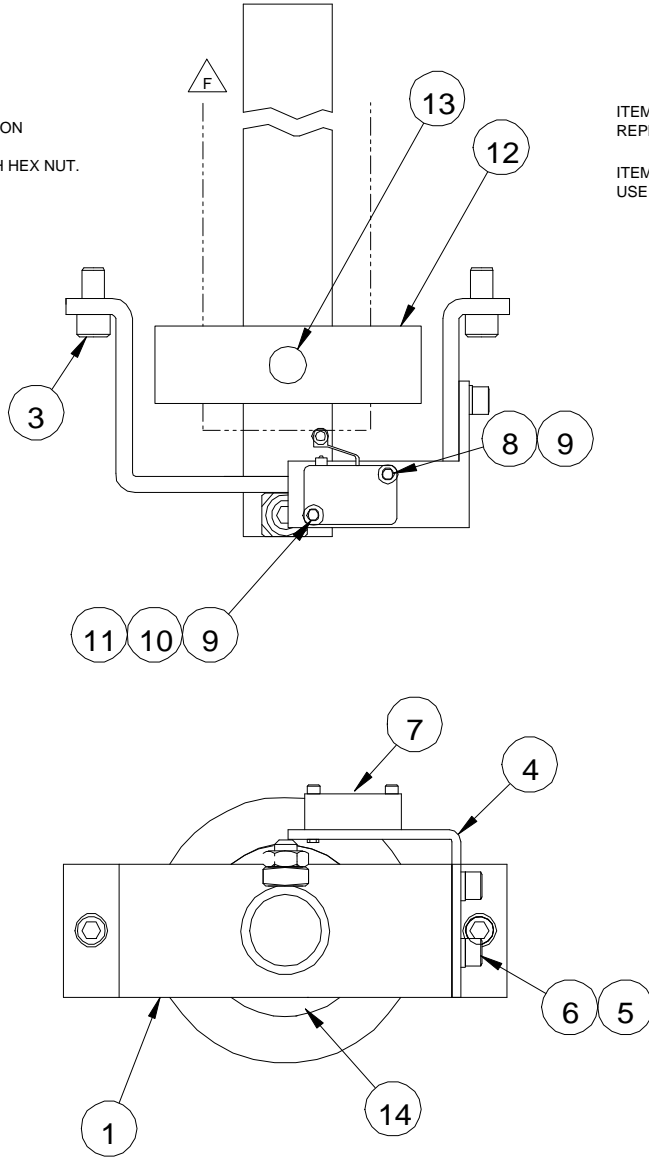
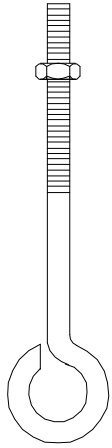
REQ'D	DESCRIPTION	PART NO.	ITEM
1	RAMP CHANNEL	595-002	1
1	BRACKET,RAMP	510-146	2
1	PAINT: PRIMER	-	3



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UNLESS OTHERWISE SPECIFIED TOLERANCE:		Pro-Tech Engineering <small>2117 N. Stockton Rd. Madison, Wisconsin 53704 Phone (608) 246-8844 Fax (608) 246-8645</small>	
DIM AS SHOWN	TOL.	FINISH TO BE	TITLE:
XX	P .184	1X	ASSEMBLY,RAMP,LOADING
X	P .050		
XX	P .020		
XXX	P .010	ANGLES P 1D	DATE: 3-07-95
XXXX	P .005		DRAWN BY: RAS
			DWG SCALE: C2
			Dwg: 001-273

ECN
REV CHANGED
INITIALS
DATE

ITEM 3 NOTE:
USE 1/4-20 X 4 EYE BOLT ON
UPPER BRACKET THIS
LOCATION. SECURE WITH HEX NUT.



ITEM 13 NOTE:
REPLACE STOCK SETSCREW

ITEM 9, 10 & 11 NOTE:
USE WASHER, ITEM 9 ON TOP & BOTTOM.

REQ'D	DESCRIPTION	PART NO.	ITEM
1	BRACKET, HEATER, CONTROL SIDE	510-164	1
1	SET SCREW, 1/4-20 X .5 CUP POINT	-	2
2	SHCS, 1/4-20 X .5 LG	-	3
1	BRACKET, MOUNTING, SWITCH, OVERHEAT	510-149	4
2	SHCS, 10-32 X .38	-	5
2	WASHER, FLAT, #10	-	6
1	SWITCH, BASIC, ROLLER LEVER	214-000	7
1	SHCS, #4-40 X .5	-	8
3	WASHER, FLAT, #4	-	9
1	SHCS, #4-40 X .62	-	10
1	NUT, HEX, #4-40	-	11
1	LOCK COLLAR	290-004	12
1	SETSCREW, 1/2-13, FLAT TIP	-	13
1	NUT, HEX, JAM, 1/4-20	-	14

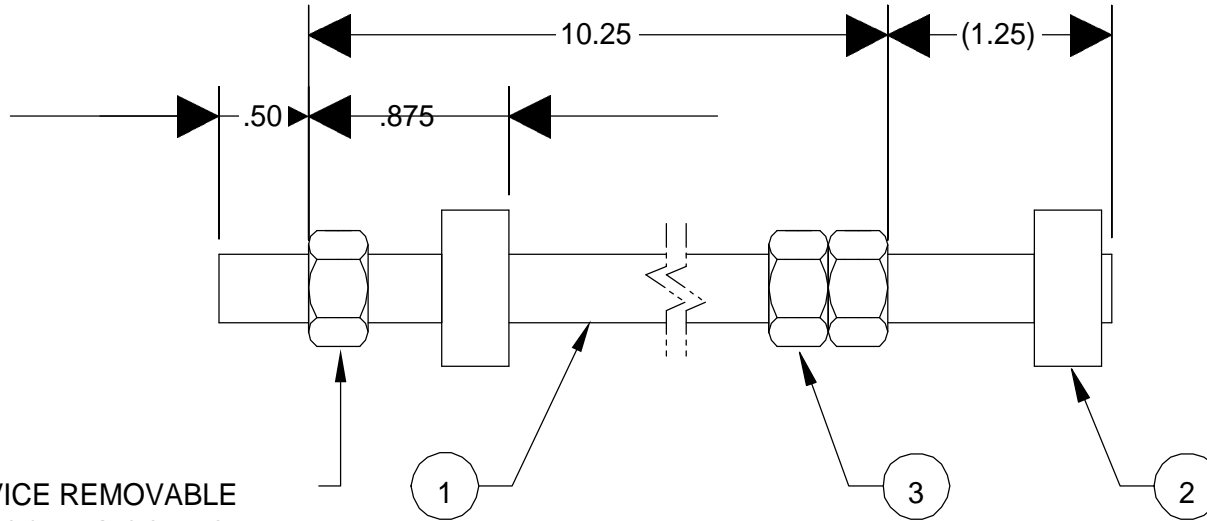
-285 ASSEMBLY

SCALE: 1/2

UNLESS OTHERWISE SPECIFIED TOLERANCE				FINISH TO BE			
DIM AS SHOWN	TOL.	FINISH	TO BE	TITLE:			
XX	P.1/64	1/2		ASS'Y, BRKT, HTR, UPPER & LOWER, %%C.75 , CONTROL SIDE,			
X	P.050			DATE:	DRAWN BY:	DWG SCALE:	Dwg:
X.X	P.020			3-28-95	P.R.	C1	001-285
X.XX	P.010	ANGLES	P.1D				
X.XXX	P.005						

Pro-Tech Engineering
2117 N. Slaughter Rd. Madison, Wisconsin 53704
Phone (608) 246-8844 Fax (608) 246-8645

REQ'D	DESCRIPTION	PART NO.	ITEM
1	SHAFT, LIFT, PULL ROLL	710-052	1
2	COLLAR, LOCK, 3/8-24	290-190	2
3	NUT, HEX, 3/8-24	-	3



USE SERVICE REMOVABLE
THREAD LOCKING COMPOUND
(THIS NUT ONLY)

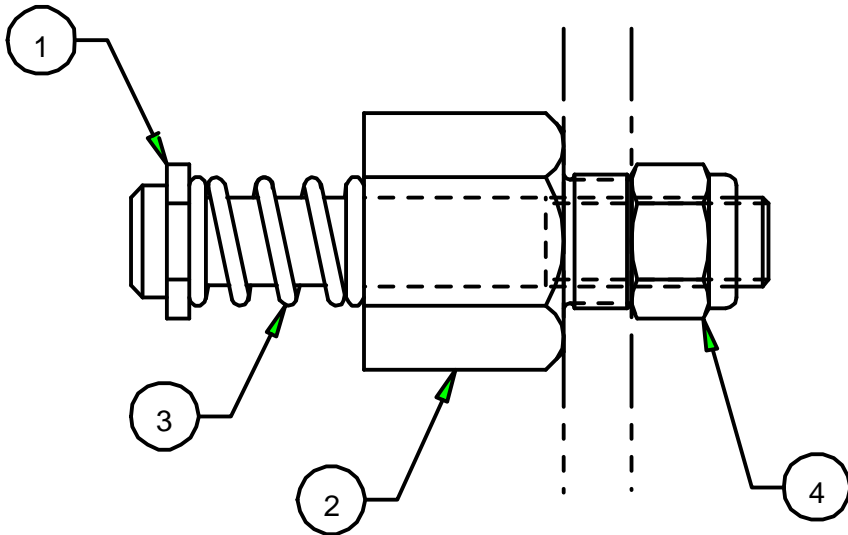
-304 ASSEMBLY

SCALE:1/1

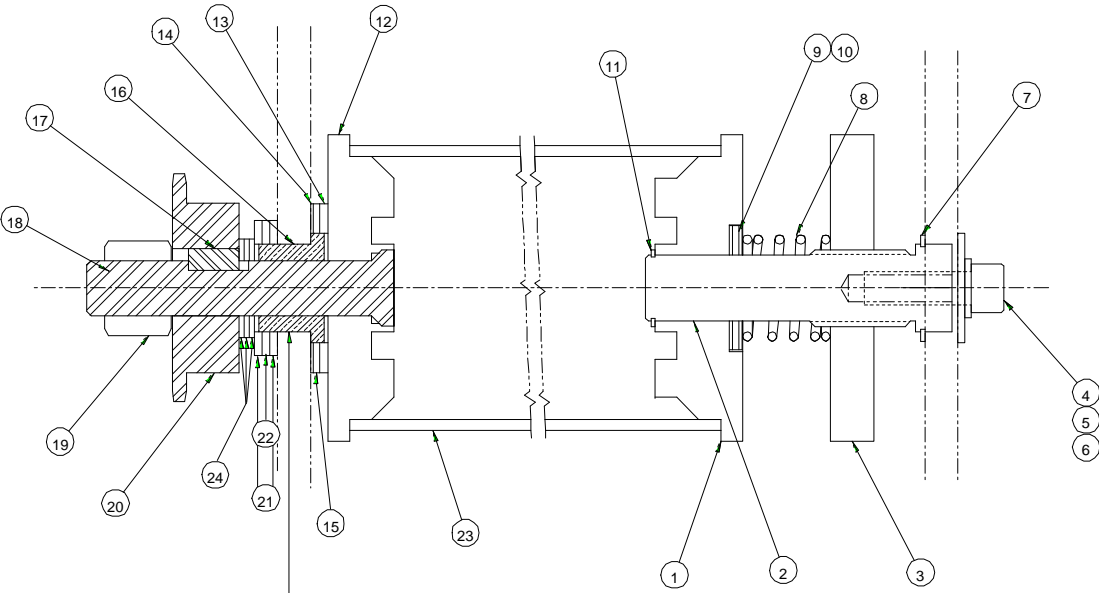
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DIM. AS SHOWN	TOL.	FINISH TO BE		
X/X	P 1/64	125 ✓	TITLE: ASSEMBLY, SHAFT, CYLINDER, PULL ROLL	
X.	P .050			
X.X	P .020		DATE: 6-21-95 DRAWN BY: P.R. DWG SCALE: A1 Dwg: 001-304	
X.XX	P .010	ANGLES P 1D		
X.XXX	P .005			
REVISION				

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REQ'D	DESCRIPTION	PART NO.	ITEM
1	BOLT, STANDOFF, REMOVABLE IDLER	645-009	1
1	STANDOFF, IDLER, HEX	755-033	2
1	SPRING, COMPRESSION	089-140	3
1	NUT, NYLOCK, 1/2-13	-	4



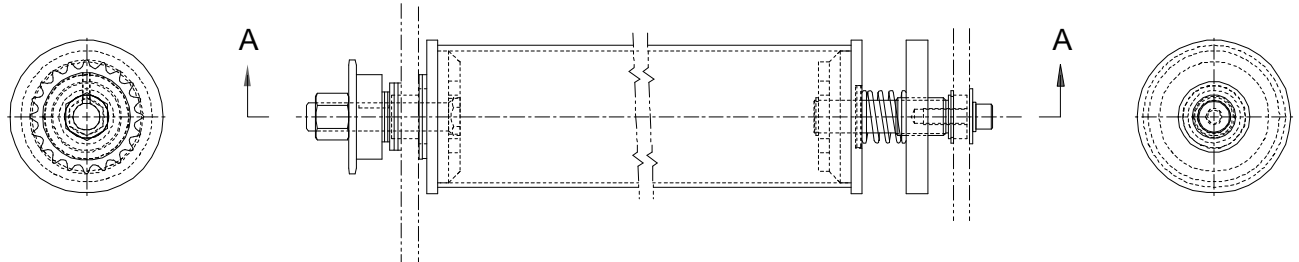
SHEET 1 OF 1			 4151 Anderson Road, DeForest, Wisconsin 53532 Phone (608) 246-8844 Fax (608) 246-8645		
UNLESS OTHERWISE SPECIFIED TOLERANCE					
REVISION	DIM. AS SHOWN	TOL.	FINISH TO BE 125√	TITLE:	
	X/X	P 1/64		ASSY, STANDOFF, REMOVABLE IDLER	
	X.	P .050			
	X.X	P .020			
	X.XX	P .010			
	X.XXX	P .005	ANGLES P 1D	DATE: 5-31-95	DRAWN BY: P.R.
				RELEASE NO.	SCALE: 1:1
					SIZE: A
					Dwg: 001-305



REMOVE PAINT FROM INSIDE OF SIDEFRAME HOLE. UDO NOT UEXCEED 1.003 DIA.

SECTION A-A

SCALE: 1/1



-326 ASSEMBLY

SCALE: 1/2

REQD	DESCRIPTION	PART NO.	ITEM
1	PLUG, CLUTCH, ORCA I, II	X92-0112	1
1	SHAFT, REWIND, STANDOFF	X92-0113	2
1	KNOB, CLUTCH, KNURLED	625-007	3
1	3/8-16 X 1 LG SHCS	-	4
1	3/8 FLATWASHWER	-	5
1	3/8 LOCKWASHER	-	6
1	-	090-140	7
1	SPRING , 1" ID X 1-3/8 LG	089-200	8
2	WASHER, THRUST, .030 THK	032-242	9
1	BEARING, THRUST	032-390	10
1	SNAP RING, 3/4 SHAFT, EXTERNAL	090-135	11
1	PLUG, CLUTCH DRIVE	X92-0111	12
1	WASHER, THRUST, .090 THK, TRC 2031	032-420	13
1	WASHER, THRUST, .030 THK, TRA 2031	032-410	14
1	BEARING, THRUST, NTA 2031	032-400	15
1	BUSHING, BOST-BRONZE	040-003	16
1	KEY, 1/4 X 1/4 X 5/8 LG	-	17
1	BOLT, CLUTCH DRIVE, ORCA I, II	645-008	18
1	LOCK NUT, 5/8-11 HEX	-	19
1	SPROCKET, 26 TOOTH	435-215	20
2	WASHER, THRUST, .090 THK, TRC 1625	032-205	21
1	BEARING, THRUST, NTA 1625	032-190	22
1	TUBE, CARDBOARD	860-003	23
3	THRUST, WASHER, TRB 1018	032 - 160	24

NOTE: THE DRIVE SIDE ILLUSTRATION IS FOR THE SECONDARY CHAIN DRIVE FOR THE REWWIND.
FOR THE PRIMARY CHAIN DRIVE REWIND, ITEM NUMBER 24 IS SUBTRACTED AND ITEM NUMBER 20 IS FLIP AROUND SO THAT THE TEETH OF THE SPROCKET IS CLOSEST TO THE SIDE FRAME.

UNLESS OTHERWISE SPECIFIED TOLERANCE				Pro-Tech Engineering 2117 N. Stoughton Rd. Madison, Wisconsin 53704 Phone (608) 248-8844 Fax (608) 248-8546			
FINISH TO BE	TOL.	FINISH TO BE	ANGLES P ID	DATE:	DRAWN BY:	DWG SCALE:	Dep:
	X.XX P. 184	12 $\sqrt{}$		9-18-95	K.L.	C2	001-326
	X.XX P. 050						
	X.XX P. 020						
X.XXX P. 005							