TELEMARK 295 Multi Pocket E-Beam Source Drawings

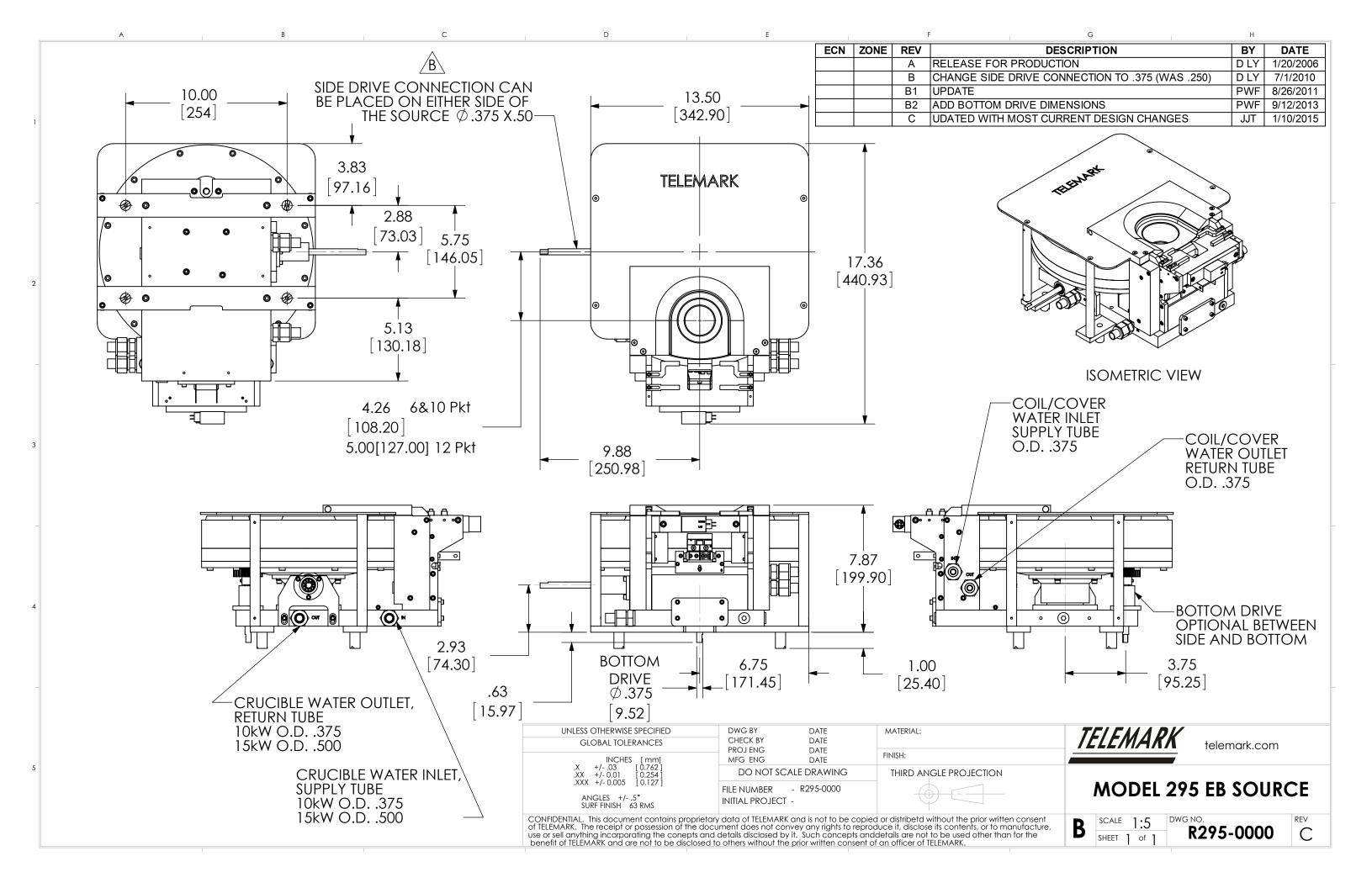
The current version of this drawing pdf can be found at

https://telemark.com/electron-beam-sources/high-capacity-multi-pocket-sources/

Drawing	Rev.	Description	Page
Reference Dimen	sions		2
R295-0000	С	Model 295 E-Beam Source Dimensions	3
Model Assemblie	es		4
295-9901-1	A	Model 295-01 EB Source, 6 pkt, 100cc S/D (15kW)	5
295-9902-1	A	Model 295-02 EB Source, 6 pkt, 100cc B/D (15kW)	6
295-9951-1	В	Model 295-51 EB Source, 6 pkt, 100cc S/D (10kW)	7
295-9952-1	В	Model 295-52 EB Source, 6 pkt, 100cc B/D (10kW)	8
295-9971-1	A	Model 295-71 EB Source, 10 pkt, 40cc S/D (10kW)	9
295-9972-1	A	Model 295-72 EB Source, 10 pkt, 40cc B/D (10kW)	10
295-9987-1	A	Model 295-87 EB Source, 12 pkt, 40cc S/D (10kW)	11
295-9988-1	A	Model 295-88 EB Source, 12 pkt, 40cc B/D (10kW)	12
295-9991-1	A	Model 295-91 EB Source, 1486cc Trough, S/D (10kW)	13
295-9992-1	A	Model 295-92 EB Source, 1486cc Trough, B/D (10kW)	14
295-9993-1	A	Model 295-93 EB Source, 1810cc Pan, S/D (10kW)	15
295-9994-1	A	Model 295-94 EB Source, 1810cc Pan, B/D (10kW)	16
Common Assemb	olies		17
273-0150-8	A1	Emitter Assembly	18
295-0113-1	В	Rotation Assembly, Side Drive (10kW)	19
295-0113-2	D	Rotation Assembly, Side Drive (15kW)	20
295-0115-1	D	Rotation Assembly, Bottom Drive (10kW)	21
295-0115-2	E	Rotation Assembly, Bottom Drive (15kW)	22
295-0125-1	В	Side Drive Assembly	23
295-0127-1	С	Bottom Drive Assembly	24
295-0130-3	B1	Front Coil/Emitter Assembly	25
295-0133-3	A1	EB Source Sub Assembly, SD, 10kW	26
295-0133-4	A1	EB Source Sub Assembly, SD, 15kW	27
295-0135-3	A1	EB Source Sub Assembly, BD, 10kW	28
295-0135-4	A1	EB Source Sub Assembly, BD, 15kW	29
Option - Self Seal	ing Cove	er	30
295-9978-1SSC	A	Model 295-78 EB Source, 4 pkt, 100cc B/D (15kW), SSC	31
Option - Arc Supp	pression		32
291-3151-1	С	Arc Supression Emitter	33
295-5175-1	В	295 Arc Supression	34
Option - Indexer	In-vacuu	im In-pocket Switch	44
294-0300-1	A1	Assembly, Crucible Sensor, std.	36
295-0300-1	А	Assembly, Crucible Sensor, 295	37
295-0300-X	A	Assembly, Crucible Sensor, 295	38

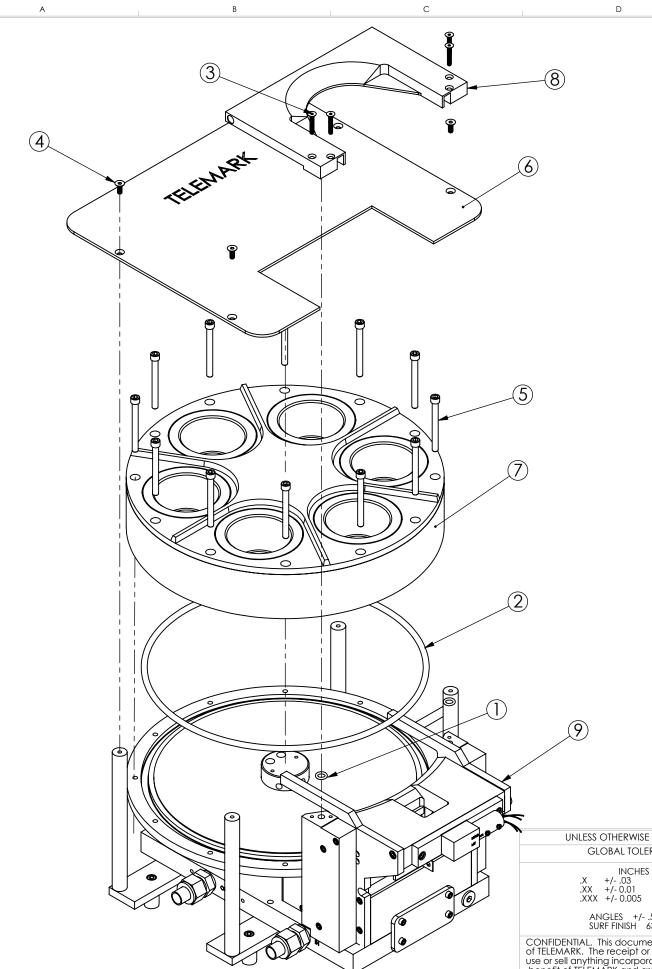


Reference Dimensions E-Beam Source





Model Assemblies E-Beam Sources

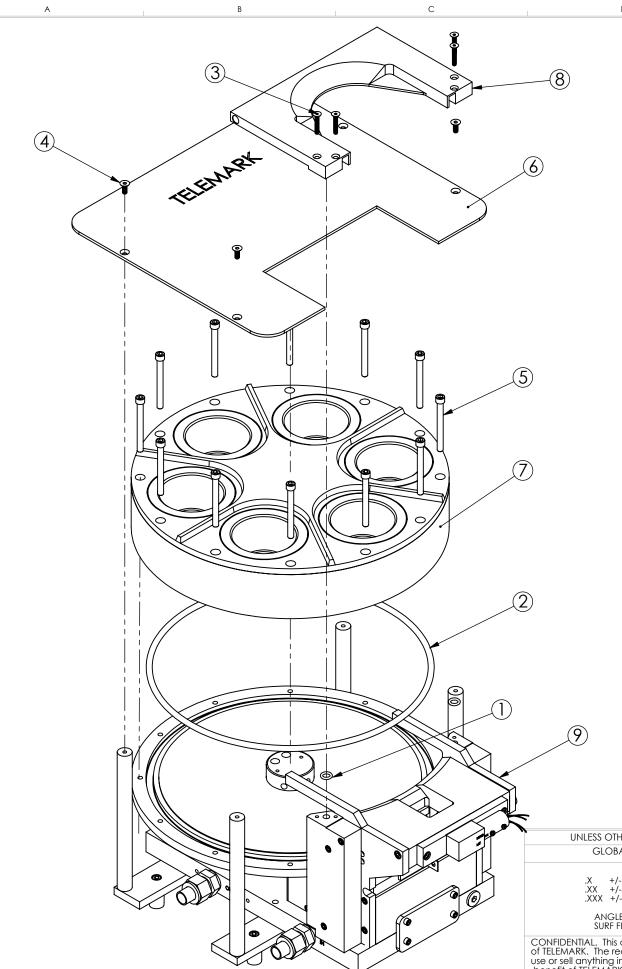


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		1-2109		O-RING VIT	ON, ID 5/16", W 3/32"		2
		1-2452			DN, ID 11-1/2", W 1/4"		<u> </u>
		1-6139			EW, #8-32 X 1" SST FHS		4
		1-6154			10-32 X 1/2 SST FHS		4
-+		1-6193			#1/4-20 X 2-1/2" SST SH	\neg	12
-+		5-0070			, REAR, 6x100cc		1
		5-0250			X 100CC BRAZEMENT		1
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1		1-2109		O-RING, VITON, ID 5/16", W 3/32"		2
2		1-2452		O-RING, VITON, ID 11-1/2", W 1/4"		1
3		1-6139		VENTED SCREW, #8-32 X 1" SST FHS		4
4		1-6154		SCREW, #10-32 X 1/2 SST FHS		4
5	-	1-6193		VENTED SCREW, #1/4-20 X 2-1/2" SST SHC	s	12
6		5-0070		COVER, REAR, 6x100cc	5	1
7		5-0070 5-0250		CRUCIBLE, 6 X 100CC BRAZEMENT		1
						1
8		5-007				1
9	29	5-0133	3-2	EB SOURCE SUB ASSEMBLY, SD, 15KW		I
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	ITEM NO.	NU	MBER				2	1/QTY.
	1	NU 271-	MBER 2109-	1	O-RING, VI	TON, ID 5/16", W 3/32"	2	
	1 2	NU 271- 271-	MBER 2109- 2452-	1	O-RING, VI O-RING, VII	TON, ID 5/16", W 3/32" TON, ID 11-1/2", W 1/4"	2	1/QTY. 2 1
	1 2 3	NU 271- 271- 271-	MBER 2109- 2452- 6139-	1	O-RING, VI O-RING, VII VENTED SCR	TON, ID 5/16", W 3/32" ON, ID 11-1/2", W 1/4" REW, #8-32 X 1" SST FHS	2	1/QTY. 2 1 4
	1 2 3 4	NU 271- 271- 271- 271- 271-	MBER 2109- 2452- 6139- 6154-	1 1 1 9	O-RING, VI O-RING, VI VENTED SCR SCREW, #	TON, ID 5/16", W 3/32" TON, ID 11-1/2", W 1/4" REW, #8-32 X 1" SST FHS #10-32 X 1/2 SST FHS		1/QTY 2 1 4 4
	1 2 3 4 5	NU 271- 271- 271- 271- 271- 271-	MBER 2109- 2452- 6139- 6154- 6193-	1 1 1 9	O-RING, VI O-RING, VI VENTED SCR SCREW, # VENTED SCREW	TON, ID 5/16", W 3/32" ON, ID 11-1/2", W 1/4" REW, #8-32 X 1" SST FHS #10-32 X 1/2 SST FHS , #1/4-20 X 2-1/2" SST SHC.		1/QTY. 2 1 4
	1 2 3 4 5 6	NU 271- 271- 271- 271- 271- 271- 275-	MBER 2109- 2452- 6139- 6154- 6193- 0070-	1 1 9 1 2	O-RING, VI O-RING, VI VENTED SCR SCREW, # VENTED SCREW COVE	TON, ID 5/16", W 3/32" ON, ID 11-1/2", W 1/4" REW, #8-32 X 1" SST FHS #10-32 X 1/2 SST FHS , #1/4-20 X 2-1/2" SST SHC. R, REAR, 6x100cc		1/QTY 2 1 4 4
')	1 2 3 4 5 6 7	NU 271- 271- 271- 271- 271- 271- 295- 295-	MBER 2109- 2452- 6139- 6154- 6193- 0070- 0250-	1 1 9 1 2 1	O-RING, VI O-RING, VI VENTED SCR SCREW, # VENTED SCREW COVE	TON, ID 5/16", W 3/32" ON, ID 11-1/2", W 1/4" REW, #8-32 X 1" SST FHS #10-32 X 1/2 SST FHS , #1/4-20 X 2-1/2" SST SHC R, REAR, 6x100cc & X 100CC BRAZEMENT		1/QTY. 2 1 4 4
)	1 2 3 4 5 6 7 8	NU 271- 271- 271- 271- 271- 271- 295- 295- 295- 295-	MBER 2109- 2452- 6139- 6154- 6193- 0070- 0250- 0250- 0075-	1 1 9 1 2 1 2 2	O-RING, VI O-RING, VI VENTED SCR SCREW, # VENTED SCREW COVE CRUCIBLE, & COV	TON, ID 5/16", W 3/32" ON, ID 11-1/2", W 1/4" REW, #8-32 X 1" SST FHS #10-32 X 1/2 SST FHS , #1/4-20 X 2-1/2" SST SHC R, REAR, 6x100cc S X 100CC BRAZEMENT VER, 6 POCKET		1/QTY 2 1 4 4
	1 2 3 4 5 6 7	NU 271- 271- 271- 271- 271- 271- 295- 295- 295- 295-	MBER 2109- 2452- 6139- 6154- 6193- 0070- 0250-	1 1 9 1 2 1 2 2	O-RING, VI O-RING, VI VENTED SCR SCREW, # VENTED SCREW COVE CRUCIBLE, & COV	TON, ID 5/16", W 3/32" ON, ID 11-1/2", W 1/4" REW, #8-32 X 1" SST FHS #10-32 X 1/2 SST FHS , #1/4-20 X 2-1/2" SST SHC R, REAR, 6x100cc & X 100CC BRAZEMENT		1/QTY 2 1 4 4
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ESS OTHERWISE SPECIFIED GLOBAL TOLERANCES	1 2 3 4 5 6 7 8 9	NU 271- 271- 271- 271- 271- 271- 295- 295- 295- 295-	MBER 2109- 2452- 6139- 6154- 6193- 0070- 0250- 0250- 0075-	1 1 9 1 2 1 2 2 2	O-RING, VI O-RING, VI VENTED SCR SCREW, # VENTED SCREW COVE CRUCIBLE, & COV	TON, ID 5/16", W 3/32" ON, ID 11-1/2", W 1/4" REW, #8-32 X 1" SST FHS #10-32 X 1/2 SST FHS , #1/4-20 X 2-1/2" SST SHC R, REAR, 6x100cc S X 100CC BRAZEMENT VER, 6 POCKET	S	1/QTY 2 1 4 12 1 1 1 1
GLOBAL TOLERANCES	1 2 3 4 5 6 7 8 9	NU 271- 271- 271- 271- 271- 295- 295- 295- 295-	MBER 2109- 2452- 6139- 6154- 6193- 0070- 0250- 0075- 0133-	1 1 9 1 2 1 2 2 2	O-RING, VI O-RING, VI VENTED SCR SCREW, # VENTED SCREW COVE CRUCIBLE, & COV	TON, ID 5/16", W 3/32" ON, ID 11-1/2", W 1/4" REW, #8-32 X 1" SST FHS #10-32 X 1/2 SST FHS #1/4-20 X 2-1/2" SST SHC R, REAR, 6x100cc S X 100CC BRAZEMENT VER, 6 POCKET UB ASSEMBLY, SD, 15KW TEIEMADE	S	1/QTY 2 1 4 12 1 1 1 1
INCHES [mm] X +/03 [0.762]	1 2 3 4 5 6 7 8 9 DWG BY DATE CHECK BY DATE PROJ ENG DATE MFG ENG DATE DO NOT SCALE DRAW	NU 271- 271- 271- 271- 271- 295- 295- 295- 295-	MBER 2109- 2452- 6139- 6154- 6193- 0070- 0250- 0075- 0075- 0133- MATERIA FINISH:	1 1 9 1 2 1 2 2 	O-RING, VI O-RING, VI VENTED SCR SCREW, # VENTED SCREW COVE CRUCIBLE, & COV	TON, ID 5/16", W 3/32" ON, ID 11-1/2", W 1/4" REW, #8-32 X 1" SST FHS #10-32 X 1/2 SST FHS #1/4-20 X 2-1/2" SST SHC R, REAR, 6x100cc S X 100CC BRAZEMENT VER, 6 POCKET UB ASSEMBLY, SD, 15KW TELEMARK telemo	S S ark.cc	1/QTY 2 1 4 4 12 1 1 1 1
GLOBAL TOLERANCES INCHES [mm] X +/03 [0.762]	1 2 3 4 5 6 7 8 9	NU 271- 271- 271- 271- 271- 295- 295- 295- 295-	MBER 2109- 2452- 6139- 6154- 6193- 0070- 0250- 0075- 0075- 0133- MATERIA FINISH:	1 1 9 1 2 1 2 2 	O-RING, VI O-RING, VI VENTED SCR SCREW, # VENTED SCREW COVE CRUCIBLE, & COV EB SOURCE S	TON, ID 5/16", W 3/32" ON, ID 11-1/2", W 1/4" REW, #8-32 X 1" SST FHS #10-32 X 1/2 SST FHS #1/4-20 X 2-1/2" SST SHC R, REAR, 6x100cc S X 100CC BRAZEMENT VER, 6 POCKET UB ASSEMBLY, SD, 15KW TEIEMADE	S S Dark.cc	1/QTY 2 1 4 12 1 1 1 1 0 m

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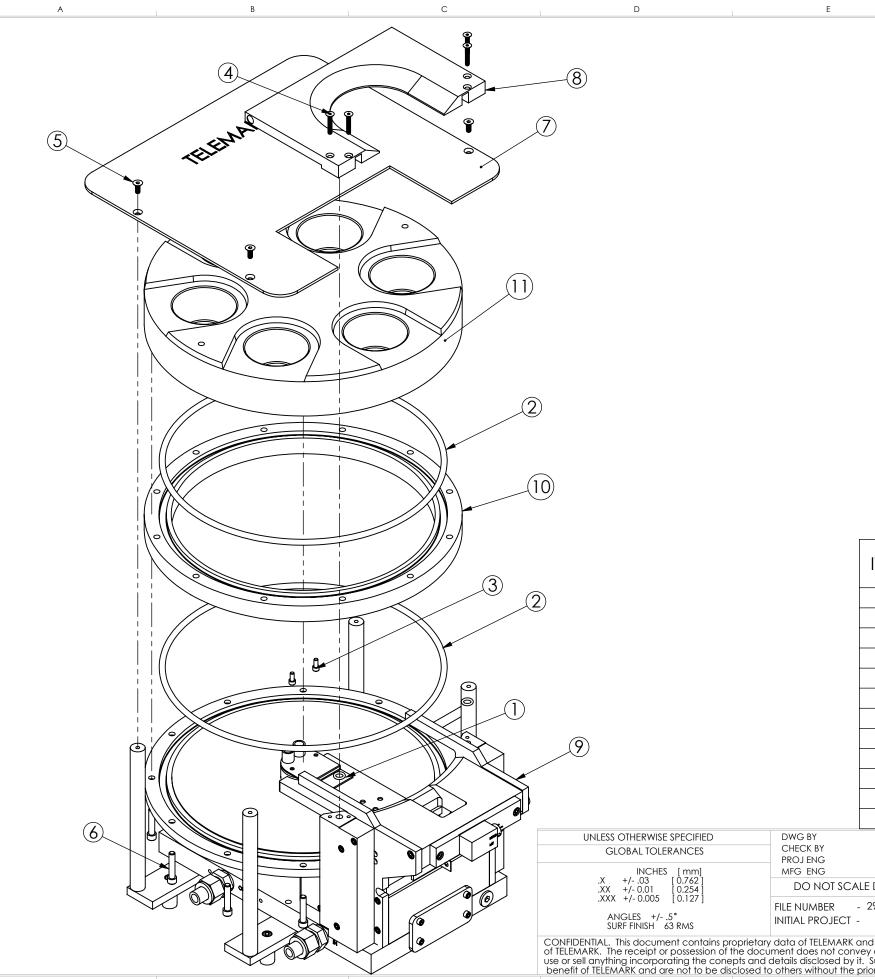


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	ART ∕∕BER		DESCRIPTION	2	295-9902- 1/QTY.
	2109-	1	O-RING, VITON, ID 5/16", W 3/32"		2
-	2452-		O-RING, VITON, ID 11-1/2", W 1/4"		1
-	<u>2432-</u> 6139-1		VENTED SCREW, #8-32 X 1" SST FHS		4
	6154-9		SCREW, #10-32 X 1/2 SST FHS		4
	6193-1		VENTED SCREW, #1/4-20 X 2-1/2" SST SHO	\sim	12
	0070-2		COVER, REAR, 6x100cc		1
-	0250-		CRUCIBLE, 6 X 100CC BRAZEMENT		1
)230-)075-2		COVER, 6 POCKET		1
					 1
<u> </u> 273-1	0135-2	<u> </u>	EB SOURCE SUB ASSEMBLY, BD, 15KW		<u> </u>
TE TE TE AWING	FINISH:		E PROJECTION MODEL 295-02 E	emark.co	
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ITEM NO.		ART MBER		DESCRIPTION	295-990 1/QTY
	NU	MBER	1		1/QTY.
1	NU 271-	MBER 2109-		O-RING, VITON, ID 5/16", W 3/32"	
1 2	NU/ 271- 271-	MBER 2109- 2452-	1	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4"	1/QTY. 2 1
1 2 3	NU/ 271- 271- 271-	MBER 2109- 2452- 6139-	1	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" VENTED SCREW, #8-32 X 1" SST FHS	1/QTY. 2 1 4
1 2 3 4	NU/ 271- 271- 271- 271-	MBER 2109- 2452- 6139- 6154-9	1 1 9	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS	1/QTY. 2 1 4 4
1 2 3 4 5	NU/ 271- 271- 271- 271- 271-	MBER 2109- 2452- 6139- 6154-9 6193-	1 1 9 1	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW, #1/4-20 X 2-1/2" SST SHCS	1/QTY. 2 1 4
1 2 3 4 5 6	NU/ 271- 271- 271- 271- 271- 271- 295-	MBER 2109- 2452- 6139- 6154-9 6193- 0070-2	1 1 9 1 2	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW, #1/4-20 X 2-1/2" SST SHCS COVER, REAR, 6x100cc	1/QTY. 2 1 4 4
1 2 3 4 5 6 7	NU/ 271- 271- 271- 271- 271- 295- 295-	MBER 2109- 2452- 6139- 6154-9 6193- 0070-2 0250-	1 1 9 1 2 1	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW, #1/4-20 X 2-1/2" SST SHCS COVER, REAR, 6x100cc CRUCIBLE, 6 X 100CC BRAZEMENT	1/QTY. 2 1 4 4
1 2 3 4 5 6 7 8	NU/ 271- 271- 271- 271- 271- 275- 295- 295- 295-	MBER 2109- 2452- 6139- 6154-9 6193- 0070-2 0250- 0075-2	1 1 9 1 2 1 2 2	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW, #1/4-20 X 2-1/2" SST SHCS COVER, REAR, 6x100cc CRUCIBLE, 6 X 100CC BRAZEMENT COVER, 6 POCKET	1/QTY. 2 1 4 4
1 2 3 4 5 6 7	NU/ 271- 271- 271- 271- 271- 275- 295- 295- 295-	MBER 2109- 2452- 6139- 6154-9 6193- 0070-2 0250-	1 1 9 1 2 1 2 2	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW, #1/4-20 X 2-1/2" SST SHCS COVER, REAR, 6x100cc CRUCIBLE, 6 X 100CC BRAZEMENT	1/QTY. 2 1 4 4
1 2 3 4 5 6 7 8	NU/ 271- 271- 271- 271- 295- 295- 295- 295-	MBER 2109- 2452- 6139- 6154-9 6193- 0070-2 0250- 0075-2 0135-2 MATEI FINISH:	1 1 9 1 2 1 2 1 2 RIAL:	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW, #1/4-20 X 2-1/2" SST SHCS COVER, REAR, 6x100cc CRUCIBLE, 6 X 100CC BRAZEMENT COVER, 6 POCKET	1/QTY. 2 1 4 4 12 1 1 1 1 1 *k.com

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	ITEM NO.		ART MBER		D	ESCRIPTION	2	95-9902 1/QTY
	ITEM NO.	NUM	ABER				2	1/QTY.
	1	NUN 271-2	4BER 109-1		O-RING, VI	ION, ID 5/16", W 3/32"	2	
	1 2	NUN 271-2 271-2	ABER 2109-1 2452-1		O-RING, VI O-RING, VII	TON, ID 5/16", W 3/32" TON, ID 11-1/2", W 1/4"	2	1/QTY. 2 1
	1 2 3	NUN 271-2 271-2 271-6	ABER 109-1 452-1 139-1		O-RING, VI O-RING, VIT VENTED SCR	TON, ID 5/16", W 3/32" ON, ID 11-1/2", W 1/4" REW, #8-32 X 1" SST FHS	2	1/QTY. 2 1 4
	1 2 3 4	NUN 271-2 271-2 271-6 271-6	4BER 109-1 452-1 139-1 154-9)	O-RING, VI O-RING, VIT VENTED SCR SCREW, #	TON, ID 5/16", W 3/32" TON, ID 11-1/2", W 1/4" REW, #8-32 X 1" SST FHS #10-32 X 1/2 SST FHS		1/QTY. 2 1 4 4
	1 2 3 4 5	NUN 271-2 271-2 271-6 271-6 271-6	4BER 109-1 452-1 139-1 154-9 193-1	>	O-RING, VI O-RING, VIT VENTED SCR SCREW, # VENTED SCREW,	TON, ID 5/16", W 3/32" ON, ID 11-1/2", W 1/4" REW, #8-32 X 1" SST FHS #10-32 X 1/2 SST FHS #1/4-20 X 2-1/2" SST SHCS		1/QTY. 2 1 4
	1 2 3 4 5 6	NUN 271-2 271-2 271-6 271-6 271-6 271-6 275-0	4BER 109-1 452-1 139-1 154-9 193-1 070-2	2	O-RING, VI O-RING, VIT VENTED SCR SCREW, # VENTED SCREW, COVE	TON, ID 5/16", W 3/32" ON, ID 11-1/2", W 1/4" REW, #8-32 X 1" SST FHS 10-32 X 1/2 SST FHS #1/4-20 X 2-1/2" SST SHCS R, REAR, 6x100cc		1/QTY. 2 1 4 4
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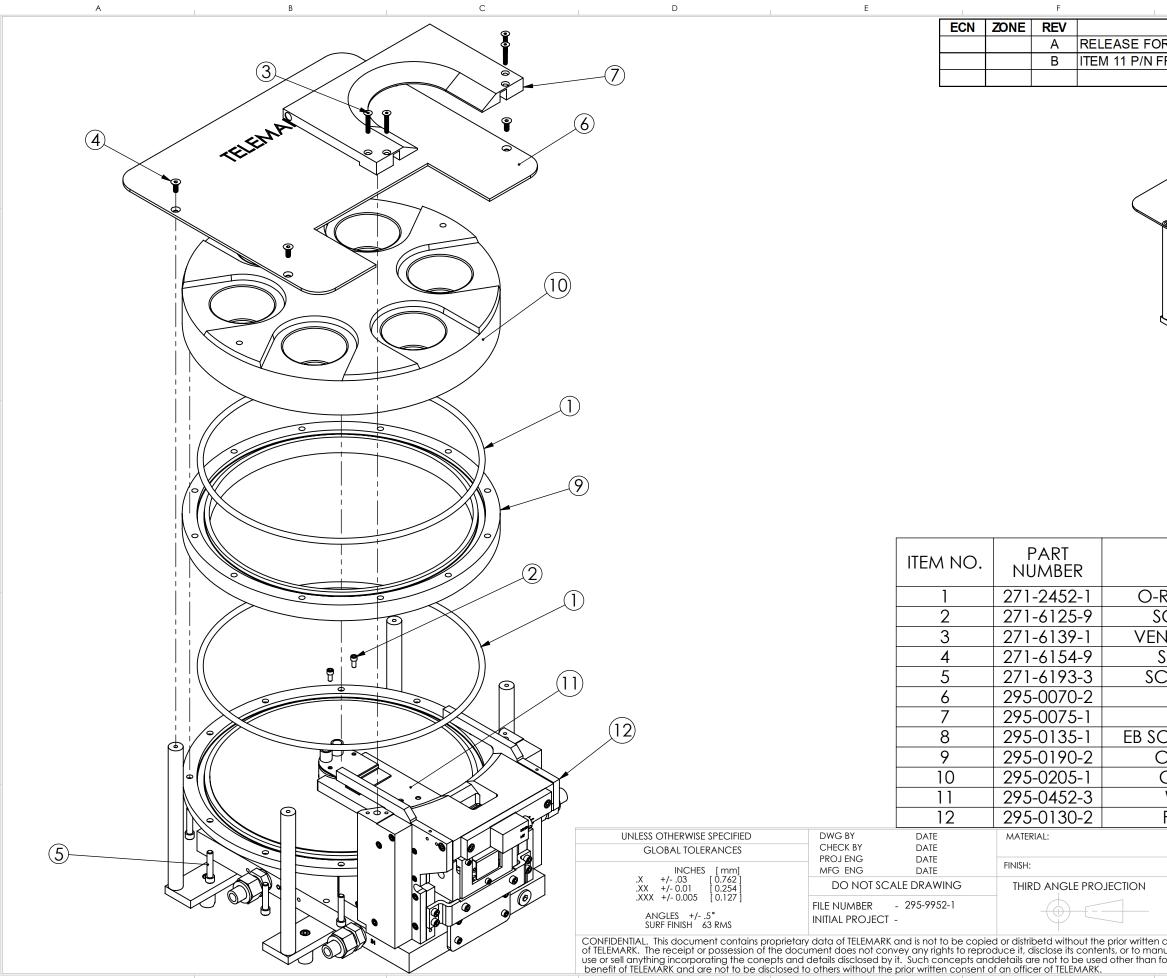
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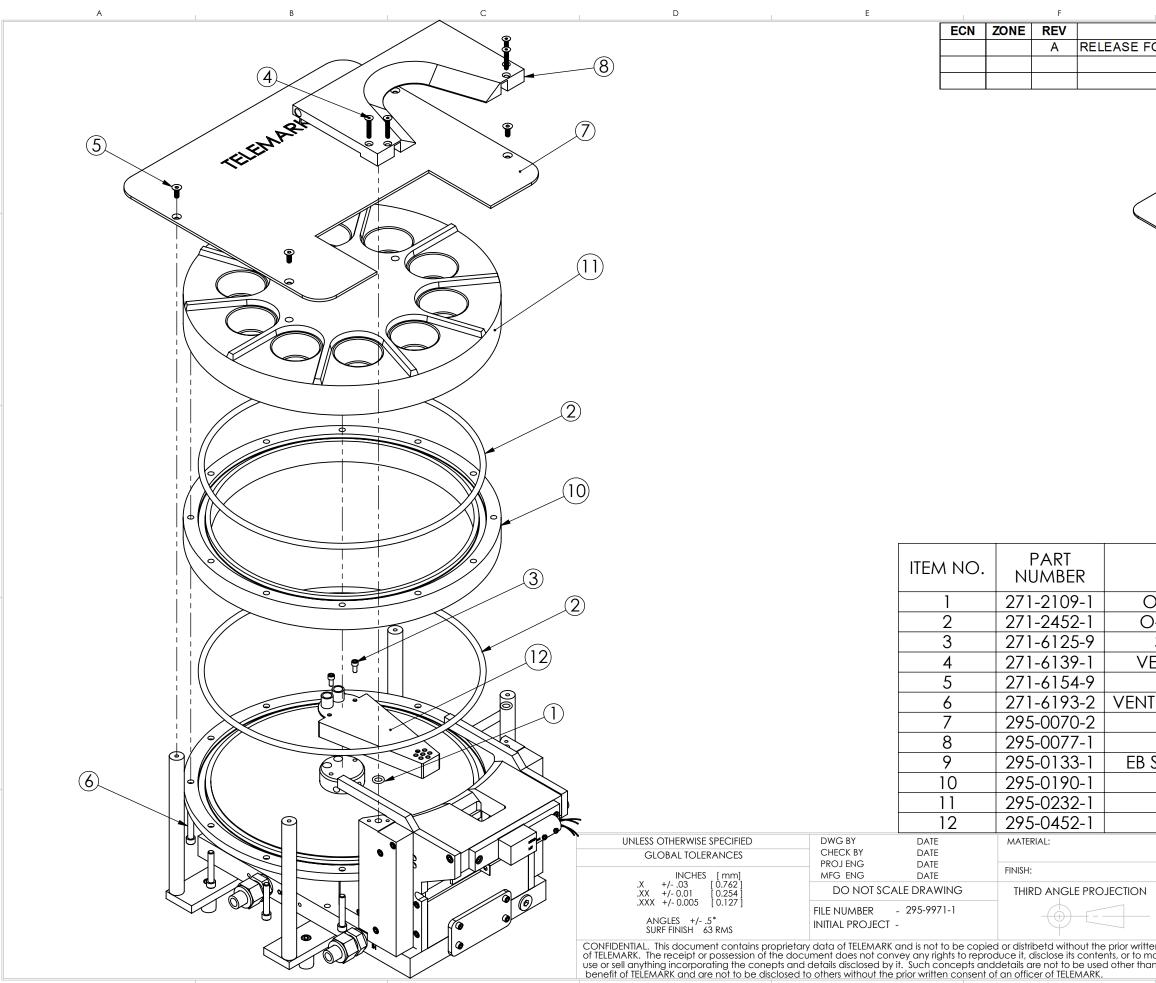
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B TEM 12 P/N FROM 295-0452-1 TO 295-0452-3 3/20/20 Image: Second		ZONE	REV	DESCRIPTION	BY	DATE	
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MATERIAL: FINISH: THIRD ANGLE PROJECTION 1-1 TO be copied or distribet dwithout the prior written consent bt to reproduce it disclose it contents or to manufacture REV REV REV REV REV REV REV REV	1 2 3 4 5 6 7 8 9 10	NI 271 271 271 271 271 271 271 275 295 295 295	JMBE -2109 -2452 -6125 -6139 -6154 -6193 5-0070 5-0075 5-0133 5-0190	K O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 2-9 SCREW, #8-32 X 3/8" SST SHCS 2-1 VENTED SCREW, #8-32 X 1" SST SHCS 2-1 VENTED SCREW, #8-32 X 1" SST FHS 2-1 SCREW, #10-32 X 1/2 SST FHS 3-3 SCREW 1/4-20 X 1-1/4 SST SHCS. 2-2 COVER, REAR, 6x100cc 3-1 EB SOURCE SUB ASSEMBLY, SD, 10KW 3-2 CRUCIBLE SPACER, 6 POCKET		9951-1/ QTY. 2 2 2 4 4	
FINISH: THIRD ANGLE PROJECTION MODEL 295-51 EB SOURC 1-1 6 pkt, 100cc S/D (10Kw) to be copied or distribet without the prior written consent SCALE 1:4 DWG NO.	1 2 3 4 5 6 7 8 9 10 11	NI 271 271 271 271 271 271 271 275 295 295 295 295	JMBE -2109 -2452 -6125 -6139 -6154 -6193 5-0075 5-0075 5-0075 5-0133 5-0190 5-0205	K O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 2-9 SCREW, #8-32 X 3/8" SST SHCS 2-1 VENTED SCREW, #8-32 X 1" SST SHCS 2-1 VENTED SCREW, #8-32 X 1" SST FHS 3-1 SCREW 1/4-20 X 1-1/4 SST SHCS. 3-2 COVER, REAR, 6x100cc 3-1 EB SOURCE SUB ASSEMBLY, SD, 10KW 3-2 CRUCIBLE SPACER, 6 POCKET 3-1 CRUCIBLE, 6 X 100cc (10KW)		9951-1/ QTY. 2 2 2 4 4	
n-1 o be copied or distributed without the prior written consent bits to reproduce it disclose its contents or to manufacture D SCALE 1:4 DWG NO. REV	1 2 3 4 5 6 7 8 9 9 0 1	NI 271 271 271 271 271 271 271 271 271 271 271 271 271 271 271 275 295 295 295 295 295 295 295	JMBE -2109 -2452 -6125 -6139 -6154 -6193 5-0070 5-0075 5-0133 5-0190 5-0205 5-0452	K O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 2-9 SCREW, #8-32 X 3/8" SST SHCS 2-1 VENTED SCREW, #8-32 X 1" SST SHCS 2-1 VENTED SCREW, #8-32 X 1" SST FHS 2-1 VENTED SCREW, #10-32 X 1/2 SST FHS 3-3 SCREW 1/4-20 X 1-1/4 SST SHCS. 2-2 COVER, REAR, 6x100cc 3-1 EB SOURCE SUB ASSEMBLY, SD, 10KW 3-2 CRUCIBLE SPACER, 6 POCKET 3-1 CRUCIBLE, 6 X 100cc (10KW) 3-2 WATER DUCT, 6x100cc, SSC		9951-1, QTY. 2 2 2 2 4 4	
1-1 To be copied or distribut without the prior written consent bit to reproduce it discloss its contents or to manufacture B SCALE 1:4 DWG NO. REV	1 2 3 4 5 6 7 8 9 9 10	NI 271 271 271 271 271 271 271 271 271 271 271 271 271 271 275 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295	JMBE -2109 -2452 -6125 -6139 -6154 -6193 -6154 -6193 5-0070 5-0070 5-0075 5-0133 5-0190 5-0205 5-0452 RIAL:	R Q-1 O-RING, VITON, ID 5/16", W 3/32" Q-1 O-RING, VITON, ID 11-1/2", W 1/4" Q-9 SCREW, #8-32 X 3/8" SST SHCS Q-1 VENTED SCREW, #8-32 X 1" SST FHS Q-1 VENTED SCREW, #8-32 X 1" SST FHS Q-1 VENTED SCREW, #10-32 X 1/2 SST FHS Q-3 SCREW 1/4-20 X 1-1/4 SST SHCS Q-2 COVER, REAR, 6x100cc Q-1 COVER, 6 POCKET (10KW) Q-2 COVER, 6 POCKET (10KW) Q-3 WATER DUCT, 6x100cc,SSC TELEMADY	, // /	9951-1/ QTY. 2 2 4 4 12 1 1 1 1 1 1 1 1	
to be copied or distributed without the prior written consent ubt to reproduce it disclose its contents or to manufacture D SCALE 1:4 DWG NO.	1 2 3 4 5 6 7 8 9 10 11 12	NI 271 271 271 271 271 271 271 271 271 271 271 271 271 271 271 275 295 1000 295 295 295 295 295 295 295 295 295 1000 20100 <	JMBE -2109 -2452 -6125 -6139 -6154 -6193 5-0070 5-0075 5-0075 5-0133 5-0190 5-0205 5-0452 RIAL:	K Q-1 O-RING, VITON, ID 5/16", W 3/32" Q-1 O-RING, VITON, ID 11-1/2", W 1/4" Q-9 SCREW, #8-32 X 3/8" SST SHCS Q-1 VENTED SCREW, #8-32 X 1" SST FHS Q-1 VENTED SCREW, #8-32 X 1" SST FHS Q-1 VENTED SCREW, #10-32 X 1/2 SST FHS Q-2 SCREW 1/4-20 X 1-1/4 SST SHCS. Q-2 COVER, REAR, 6x100cc Q-1 COVER, 6 POCKET (10KW) Q-2 CRUCIBLE SPACER, 6 POCKET Q-3 WATER DUCT, 6x100cc,SSC TELEMARK	W wark.co	9951-1/ QTY. 2 2 4 4 12 1 1 1 1 1 1 1 1 0 m	
ncepts and details are not to be used other than for the D SHEFT 1 of 1 295-9951-1 B	1 2 3 4 5 6 7 8 9 10 11 12	NI 271 271 271 271 271 271 271 271 271 271 271 271 271 271 271 275 295 1000 295 295 295 295 295 295 295 295 295 1000 20100 <	JMBE -2109 -2452 -6125 -6139 -6154 -6193 5-0070 5-0075 5-0075 5-0133 5-0190 5-0205 5-0452 RIAL:	K P-1 O-RING, VITON, ID 5/16", W 3/32" P-1 O-RING, VITON, ID 11-1/2", W 1/4" P-9 SCREW, #8-32 X 3/8" SST SHCS P-1 VENTED SCREW, #8-32 X 1" SST FHS P-9 SCREW, #10-32 X 1/2 SST FHS P-3 SCREW 1/4-20 X 1-1/4 SST SHCS. P-2 COVER, REAR, 6x100cc P-1 COVER, 6 POCKET (10KW) P-3 EB SOURCE SUB ASSEMBLY, SD, 10KW P-2 CRUCIBLE SPACER, 6 POCKET P-3 WATER DUCT, 6x100cc, SSC IELEMARK HODEL 295-51 EB	W Nark.co	9951-1/ QTY. 2 2 4 4 12 1 1 1 1 1 1 0 m	

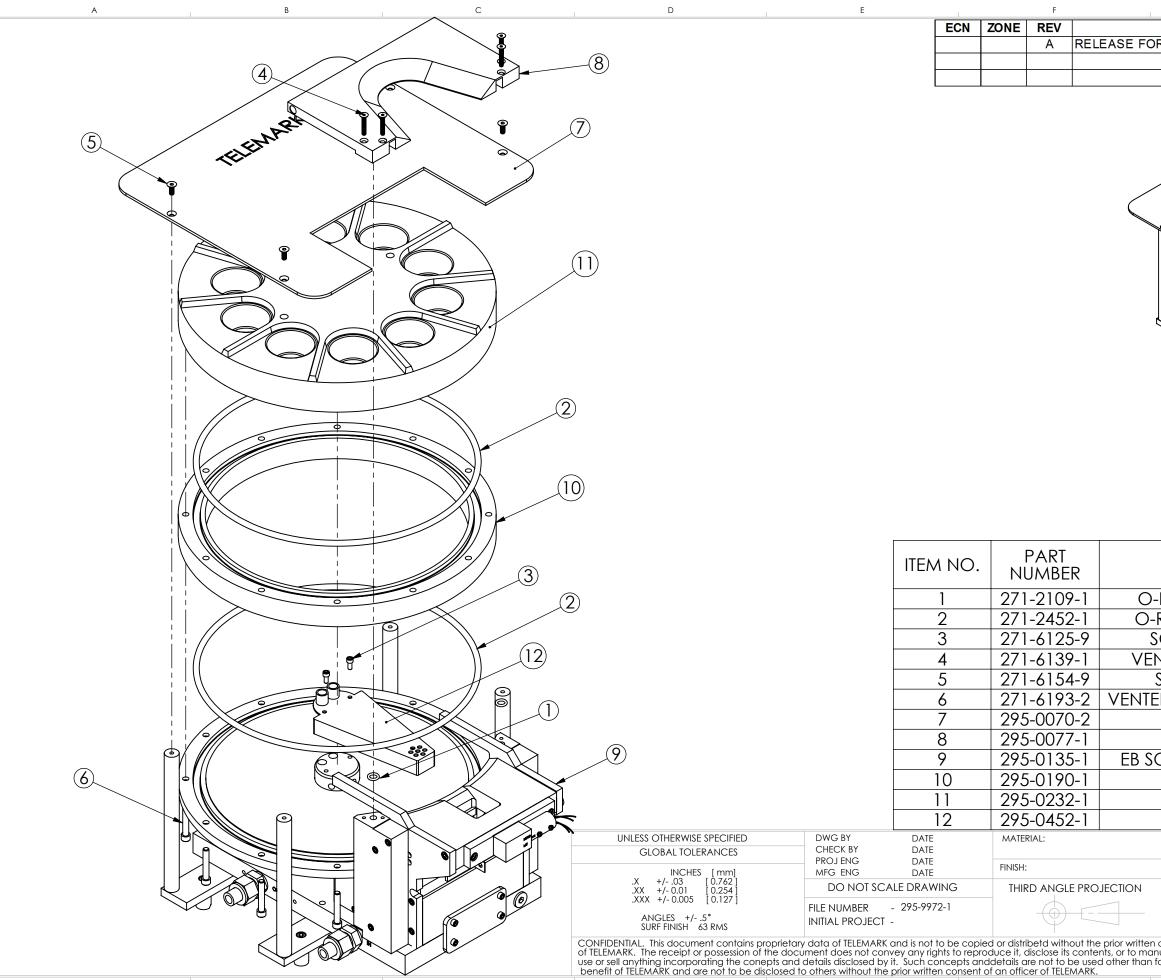
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ECN	ZONE	REV	DESCRIPTION	BY	DATE
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		B ITE	M 12 P/N FROM 295-0452-1 TO 295-0452-3		3/20/2014
			Image: Constrained state Image: Constrained state Image: Constrained state		
ITEM NO		PART	DESCRIPTION		295- 9951-1/
		JMBER			QTY.
1		-2109-1	O-RING, VITON, ID 5/16", W 3/32"		2
2		-2452-1	O-RING, VITON, ID 11-1/2", W 1/4"		2
3		-6125-9			2
4		-6139-1	VENTED SCREW, #8-32 X 1" SST FHS	·	4
5		-6154-9			4
6		-6193-3	· · ·		12
7		-0070-2			1
8		-0075-1	COVER, 6 POCKET (10KW)		1
9		-0133-1	EB SOURCE SUB ASSEMBLY, SD, 10K	N	1
10		-0190-2	CRUCIBLE SPACER, 6 POCKET		1
11	295	-0205-1	CRUCIBLE, 6 X 100cc (10Kw)		1
12	295	-0452-3	WATER DUCT, 6x100cc,SSC		1
DATE DATE DATE DATE CALE DRAWING	FINISH:			ark.cc	
- 295-9951-1 CT - RK and is not to be cop	pied or distri	D ANGLE PRO	MODEL 295-51 EE 6 pkt, 100cc S/I		
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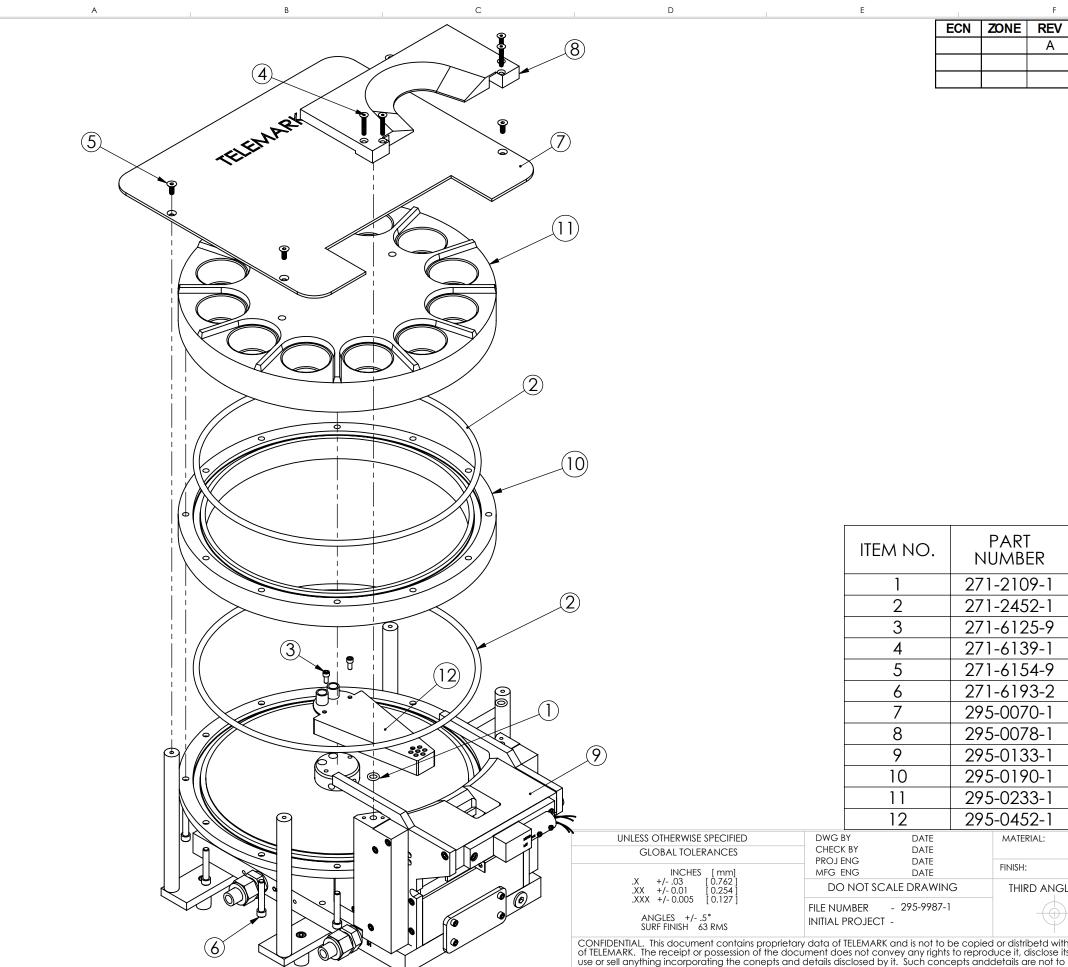
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DESCRIPTION	BY	DATE
FOR PRODUCTION		7/11/2005
N FROM 295-0452-1 TO 295-0452-3		3/20/2014
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DESCRIPTION	9	295- 2952-1/Q TY.
D-RING, VITON, ID 11-1/2", W 1/4"		2
SCREW, #8-32 X 3/8" SST SHCS		2
ENTED SCREW, #8-32 X 1" SST FHS		4
SCREW, #10-32 X 1/2 SST FHS		4
SCREW 1/4-20 X 1-1/4 SST SHCS.		12
COVER, REAR, 6x100cc COVER, 6 POCKET (10KW)		1
SOURCE SUB ASSEMBLY, BD, 10KW	/	1
	/	1
CRUCIBLE SPACER, 6 POCKET CRUCIBLE, 6 X 100cc (10Kw)		1
WATER DUCT, 6x100cc,SSC		1
FRONT COIL/EMITTER ASSY.,		1
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	DESCRIPTION	BY	DATE
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	TELEVIEL O O O O O O O O O O O O O		
	ISOMETRIC VIEW		
2	DESCRIPTION		295- 9971-1/
-			9971-1/ QTY.
.1	O-RING, VITON, ID 5/16", W 3/32"		9971-1/ QTY. 2
1			9971-1/ QTY.
1 1 9	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS		9971-1/ QTY. 2 2 2
.] .] .9	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS		9971-1/ QTY. 2 2
-1 -9 -1 -9	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS	S.	9971-1/ QTY. 2 2 2 4
-1 -9 -1 -9 -2	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHC	CS.	9971-1/ QTY. 2 2 2 4 4
-1 -1 -9 -1 -9 -2 -2	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHC COVER, REAR, 6x100cc	S.	9971-1/ QTY. 2 2 2 4 4
-1 -1 -9 -1 -9 -2 -2 -1	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHC COVER, REAR, 6x100cc COVER, 10 POCKET		9971-1/ QTY. 2 2 2 4 4
-1 -1 -9 -1 -9 -2 -2 -1 -1	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHC COVER, REAR, 6x100cc		9971-1/ QTY. 2 2 2 4 4
-1 -1 -9 -1 -9 -2 -2 -1 -1 -1	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHC COVER, REAR, 6x100cc COVER, 10 POCKET EB SOURCE SUB ASSEMBLY, SD, 10KW CRUCIBLE SPACER		9971-1/ QTY. 2 2 2 4 4
R -1 -9 -1 -9 -2 -1 -1 -1 -1 -1 -1	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHC COVER, REAR, 6x100cc COVER, 10 POCKET EB SOURCE SUB ASSEMBLY, SD, 10KW		9971-1/ QTY. 2 2 2 4 4



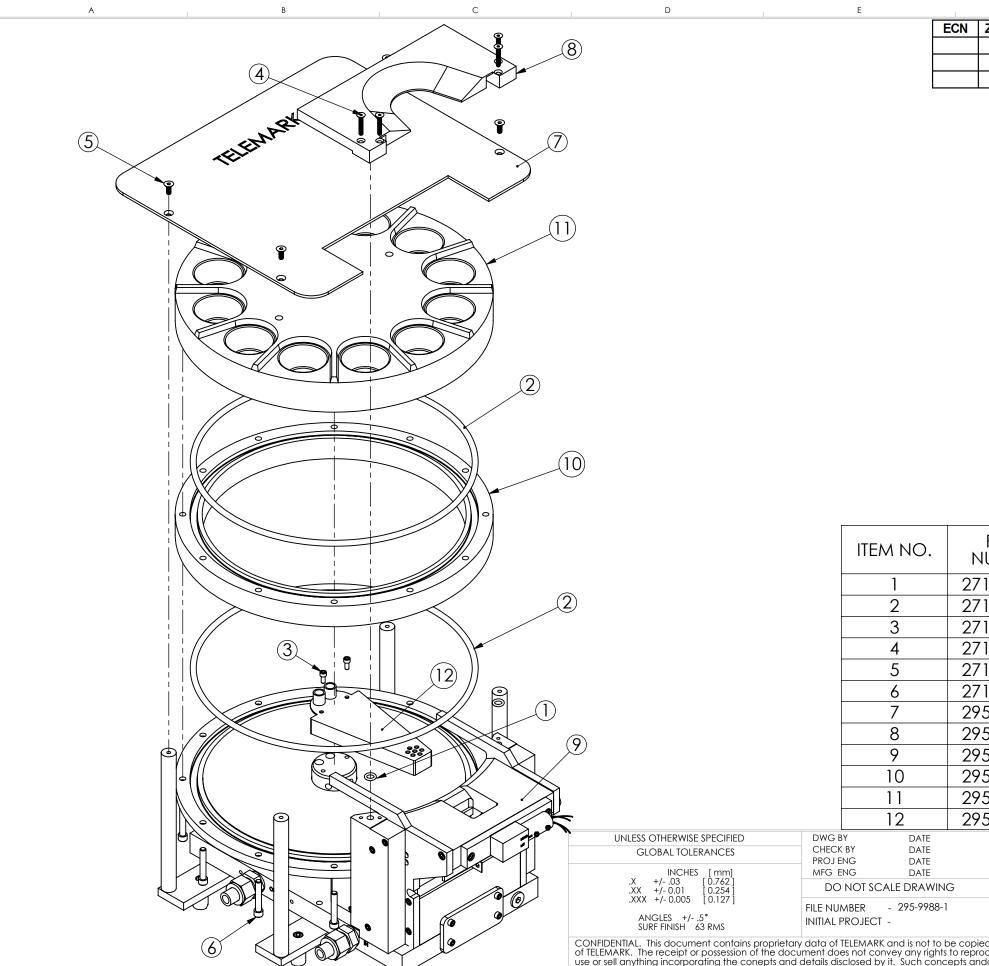
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ISOMETRIC VIEW		_
		295-
DESCRIPTION		9972-1/
		QTY.
D-RING, VITON, ID 5/16", W 3/	32"	2
D-RING, VITON, ID 11-1/2", W 1		2
SCREW, #8-32 X 3/8" SST SHC		2
ENTED SCREW, #8-32 X 1" SST	FHS	4
SCREW, #10-32 X 1/2 SST FH	S	4
TED SCREW 1/4-20 X 1-1/2 SST		12
COVER, REAR, 6x100cc		1
COVER, 10 POCKET		1
SOURCE SUB ASSEMBLY, BD,	IOKW	1
CRUCIBLE SPACER		1
CRUCIBLE, 10 X 40cc		1
WATER DUCT		1
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TELEMARK t	elemark.co	om
MODEL 295-72	FRSC	
		·
10 pkt, 40cc	R/D (-
ren consent nanufacture, B SCALE 1:4 DWG NO. 295	0070	
an for the D SHEET] of] 29 3	5-9972-	-1 A



FINISH: THIRD ANGLE PROJECTION

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REV	DESCRIPTION	BY	DATE
Α	RELEASE FOR PRODUCTION		8/22/2012
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	TELENARY O	ì	
	ISOMETRIC VIEW		-
			205
R	DESCRIPTION		295- 9987-1/
-1	O-RING, VITON, ID 5/16", W 3/32"		$\frac{QIY}{2}$
2-1	O-RING, VITON, ID 3/18 , W 3/32 O-RING, VITON, ID 11-1/2", W 1/4"		2
5-9	SCREW, #8-32 X 3/8" SST SHCS		2
9-7 9-1	VENTED SCREW, #8-32 X 1" SST FHS		4
1-9	SCREW, #10-32 X 1/2 SST FHS		4
+- <i>7</i> 3-2	VENTED SCREW 1/4-20 X 1-1/2 SST SHCS		12
)-1	COVER, REAR	·•	1
3-1	COVER, 12 POCKETS		1
3-1	EB SOURCE SUB ASSEMBLY, SD, 10KW		1
)-1	CRUCIBLE SPACER		1
3-1	CRUCIBLE, 12 X40cc		1
<u>2</u> -1	WATER DUCT		1
AL:			I
	TELEMARK telem	ark.cc	om
	MODEL 295-87 EB	SC	URCE,
Ÿ	12 pkt, 40cc, S/	D (1	OKw)
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F			Α	RELEASE FOR PRODUCTION	8/22/2012
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		PARI	-		295-
ITEM NO.		JUMBI		DESCRIPTION	9988-1
1		1-210	9-1	O-RING, VITON, ID 5/16", W 3/32"	QTY.
1 2	27	/1-210 /1-245		O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4"	QTY.
1	27		52-1		QTY. 2
1	27 27 27	1-245	2-1 5-9	O-RING, VITON, ID 11-1/2", W 1/4"	QTY. 2 2
1 2 3	27 27 27 27 27	'1-245 '1-612	5-1 5-9 9-1	O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS	QTY. 2 2 2
1 2 3 4 5	27 27 27 27 27 27	71-245 71-612 71-613 71-615	2-1 5-9 9-1 4-9	O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS	QTY. 2 2 2 2 4
1 2 3 4	27 27 27 27 27 27 27 27	'1-245 '1-612 '1-613 '1-615 '1-619	2-1 5-9 9-1 4-9 3-2	O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHCS.	QTY. 2 2 2 4 4
1 2 3 4 5 6 7	27 27 27 27 27 27 27 27 27 27 27	71-245 71-612 71-613 71-615 71-619 95-007	2-1 5-9 9-1 4-9 3-2 0-1	O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHCS. COVER, REAR	QTY. 2 2 2 4 4
1 2 3 4 5 6 7 8	27 27 27 27 27 27 27 27 27 29 29	71-245 71-612 71-613 71-615 71-619 95-007 95-007	2-1 25-9 9-1 4-9 3-2 0-1 (8-1	O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHCS. COVER, REAR COVER, 12 POCKETS	QTY. 2 2 2 4 4
1 2 3 4 5 6 7 8 9	27 27 27 27 27 27 27 27 27 29 29 29	71-245 71-612 71-613 71-615 71-619 95-007 95-007 95-013	2-1 25-9 9-1 4-9 3-2 0-1 (8-1 5-1	O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHCS. COVER, REAR COVER, 12 POCKETS EB SOURCE SUB ASSEMBLY, BD, 10KW	QTY. 2 2 2 4 4
1 2 3 4 5 6 7 8 9 10	27 27 27 27 27 27 27 27 27 29 29 29 29 29	71-245 71-612 71-613 71-615 71-619 75-007 75-007 75-013 75-019	2-1 25-9 9-1 4-9 3-2 0-1 78-1 55-1 0-1	O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHCS. COVER, REAR COVER, 12 POCKETS EB SOURCE SUB ASSEMBLY, BD, 10KW CRUCIBLE SPACER	QTY. 2 2 2 4 4
1 2 3 4 5 6 7 8 9 10 11	27 27 27 27 27 27 27 27 27 29 29 29 29 29 29 29	71-245 71-612 71-613 71-615 71-619 75-007 75-007 75-013 75-019 75-023	2-1 25-9 9-1 3-2 0-1 8-1 5-1 0-1 3-1	O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHCS. COVER, REAR COVER, 12 POCKETS EB SOURCE SUB ASSEMBLY, BD, 10KW CRUCIBLE SPACER CRUCIBLE, 12 X40cc	QTY. 2 2 2 4 4
1 2 3 4 5 6 7 8 9 10 11 12	27 27 27 27 27 27 27 27 27 29 29 29 29 29 29 29	71-245 71-612 71-613 71-615 71-619 95-007 95-007 95-019 95-019 95-023 95-045	2-1 25-9 9-1 34-9 23-2 0-1 8-1 55-1 0-1 3-1 3-1 52-1	O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHCS. COVER, REAR COVER, 12 POCKETS EB SOURCE SUB ASSEMBLY, BD, 10KW CRUCIBLE SPACER CRUCIBLE, 12 X40cc WATER DUCT	QTY. 2 2 2 4 4
1 2 3 4 5 6 7 8 9 10 11 12 8 9 10 11 12 0 4 8 9 10 11 12 0 4 8 9 10 11 12 0 4 8 9 10 11 12 0 4 8 9 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 10	27 27 27 27 27 27 27 27 27 27 29 29 29 29 29 29 29 29	1-245 1-612 1-613 1-615 1-615 25-007 25-007 25-013 25-019 25-023 25-023 25-045 MATER FINISH:	2-1 25-9 9-1 4-9 23-2 70-1 78-1 55-1 70-1 33-1 52-1 87AL:	O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHCS. COVER, REAR COVER, 12 POCKETS EB SOURCE SUB ASSEMBLY, BD, 10KW CRUCIBLE SPACER CRUCIBLE, 12 X40cc WATER DUCT TELEMARK telemark	QTY. 2 2 4 4 12 1 1 1 1 1 1 .com
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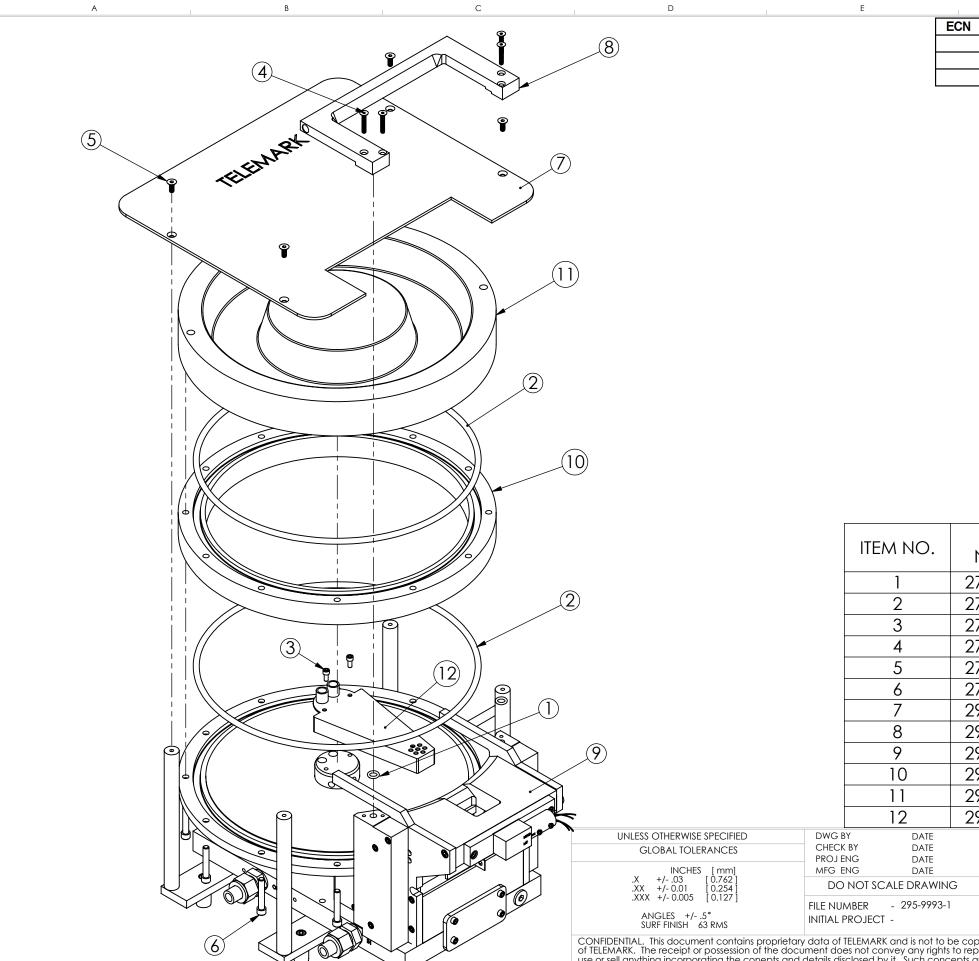
ECN 2	ZONE	REV	DESCRIPTION	BY	DATE
		А	RELEASE FOR PRODUCTION		7/11/2005
			ISOMETRIC VIEW		
		PART			295- 9991-1/
4 NO.		PART JMBE	ER DESCRIPTION		9991-1/ QTY.
1	NL		P-1 O-RING, VITON, ID 5/16", W 3/32"		9991-1/ QTY. 2
1	NL 271	JMBE	DESCRIPTION 9-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4"		9991-1/ QTY. 2 2
1 2	NL 271 271	JMBE -2109	DESCRIPTION 9-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4"		9991-1/ QTY. 2
1 2 3 4	NL 271 271 271	JMBE -2109 -2452	DESCRIPTION 9-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 5-9 SCREW, #8-32 X 3/8" SST SHCS		9991-1/ QTY. 2 2
1 2 3 4	NU 271 271 271 271	JMBE -2109 -2452 -6125	DESCRIPTION 9-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 5-9 SCREW, #8-32 X 3/8" SST SHCS 9-1 VENTED SCREW, #8-32 X 1" SST FHS		9991-1/ QTY. 2 2 2
1 2 3	NU 271 271 271 271 271	JMBE -2109 -2452 -6129 -6139	DESCRIPTION 9-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 5-9 SCREW, #8-32 X 3/8" SST SHCS 9-1 VENTED SCREW, #8-32 X 1" SST FHS 4-9 SCREW, #10-32 X 1/2 SST FHS	5	9991-1/ QTY. 2 2 2 4
1 2 3 4 5 6	NU 271 271 271 271 271 271	JMBE -2109 -2452 -6125 -6139 -6154 -6193	DESCRIPTION 9-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 5-9 SCREW, #8-32 X 3/8" SST SHCS 9-1 VENTED SCREW, #8-32 X 1" SST FHS 4-9 SCREW, #10-32 X 1/2 SST FHS 3-2 VENTED SCREW 1/4-20 X 1-1/2 SST SHCS	5	9991-1/ QTY. 2 2 2 4 4
1 2 3 4 5 6 7	NU 271 271 271 271 271 271 271 295	JMBE -2109 -2452 -6125 -6125 -6154 -6154 -6193 -0070	DESCRIPTION 9-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 5-9 SCREW, #8-32 X 3/8" SST SHCS 9-1 VENTED SCREW, #8-32 X 1" SST FHS 4-9 SCREW, #10-32 X 1/2 SST FHS 3-2 VENTED SCREW 1/4-20 X 1-1/2 SST SHC 0-1 COVER, REAR	5	9991-1/ QTY. 2 2 2 4 4
1 2 3 4 5 6 7 8	NU 271 271 271 271 271 271 275 295	JMBE -2109 -2452 -6125 -6125 -6154 -6154 -6193 -0070	P-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 5-9 SCREW, #8-32 X 3/8" SST SHCS 9-1 VENTED SCREW, #8-32 X 1" SST FHS 4-9 SCREW, #10-32 X 1/2 SST FHS 3-2 VENTED SCREW 1/4-20 X 1-1/2 SST SHCS 0-1 COVER, REAR 1-1 COVER, PAN	S CS.	9991-1/ QTY. 2 2 2 4 4
1 2 3 4 5 6 7 8 9	NU 271 271 271 271 271 271 295 295 295	JMBE -2109 -2452 -6125 -6139 -6154 -6190 -0070 -0070 -007	P-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 5-9 SCREW, #8-32 X 3/8" SST SHCS 9-1 VENTED SCREW, #8-32 X 1" SST FHS 4-9 SCREW, #10-32 X 1/2 SST FHS 3-2 VENTED SCREW 1/4-20 X 1-1/2 SST SHC 0-1 COVER, REAR 1-1 COVER, PAN 3-1 EB SOURCE SUB ASSEMBLY, SD, 10KN	S CS.	9991-1/ QTY. 2 2 2 4 4
1 2 3 4 5 6 7 8 9 10	NU 271 271 271 271 271 271 275 295 295 295	JMBE -2109 -2452 -6125 -6125 -6154 -6154 -6195 -0070 -007 -007 -0135 -0190	P-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 5-9 SCREW, #8-32 X 3/8" SST SHCS 9-1 VENTED SCREW, #8-32 X 1" SST FHS 4-9 SCREW, #10-32 X 1/2 SST FHS 3-2 VENTED SCREW 1/4-20 X 1-1/2 SST SHC 0-1 COVER, REAR 1-1 COVER, PAN 3-1 EB SOURCE SUB ASSEMBLY, SD, 10KN 0-1 CRUCIBLE SPACER	S CS.	9991-1/ QTY. 2 2 2 4 4
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1 2 3 4 5 6 7 8 9 10 11	NU 271 271 271 271 271 271 275 295 295 295 295	JMBE -2109 -2452 -6125 -6125 -6154 -6195 -0070 -0070 -0070 -0135 -0190 -0240 -0240 -0452	P-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 5-9 SCREW, #8-32 X 3/8" SST SHCS 9-1 VENTED SCREW, #8-32 X 1" SST FHS 4-9 SCREW, #10-32 X 1/2 SST FHS 3-2 VENTED SCREW 1/4-20 X 1-1/2 SST SHC 0-1 COVER, REAR 1-1 COVER, PAN 3-1 EB SOURCE SUB ASSEMBLY, SD, 10KV 0-1 CRUCIBLE SPACER 0-1 CRUCIBLE, 1486cc 2-1 WATER DUCT	S CS.	9991-1/ QTY. 2 2 4 4 12 1 1 1 1 1 1 1 1 1
3 4 5 6 7 8	NL 271 271 271 271 271 271 275 295 295 295 295 295 295 295 295	JMBE -2109 -2452 -6125 -6139 -6139 -6190 -0070 -0070 -0130 -0190 -0240 -0240 -0452	P-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 5-9 SCREW, #8-32 X 3/8" SST SHCS 9-1 VENTED SCREW, #8-32 X 1" SST FHS 4-9 SCREW, #10-32 X 1/2 SST FHS 3-2 VENTED SCREW 1/4-20 X 1-1/2 SST SHC 0-1 COVER, REAR 1-1 COVER, REAR 1-1 COVER, PAN 3-1 EB SOURCE SUB ASSEMBLY, SD, 10KN 0-1 CRUCIBLE SPACER 0-1 CRUCIBLE, 1486cc 2-1 WATER DUCT	S CS. W nark.cc	9991-1/ QTY. 2 2 4 4 12 1 1 1 1 1 1 0 m
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1 2 3 4 5 6 7 8 9 10 11 12	NL 271 271 271 271 271 271 275 295 295 295 295 295 295 295 295	JMBE -2109 -2452 -6125 -6139 -6139 -6190 -0070 -0070 -0130 -0190 -0240 -0240 -0452	P-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 5-9 SCREW, #8-32 X 3/8" SST SHCS 9-1 VENTED SCREW, #8-32 X 1" SST FHS 4-9 SCREW, #10-32 X 1/2 SST FHS 3-2 VENTED SCREW 1/4-20 X 1-1/2 SST SHC 0-1 COVER, REAR 1-1 COVER, REAR 1-1 COVER, PAN 3-1 EB SOURCE SUB ASSEMBLY, SD, 10KN 0-1 CRUCIBLE SPACER 0-1 CRUCIBLE, 1486cc 2-1 WATER DUCT	S CS. W nark.cc	9991-1/ QTY. 2 2 4 4 12 1 1 1 1 1 1 0 m

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ISOMETRIC VIEW
295-
DESCRIPTION 9991-
-RING, VITON, ID 5/16", W 3/32" 2
RING, VITON, ID 11-1/2", W 1/4" 2
SCREW, #8-32 X 3/8" SST SHCS 2
NTED SCREW, #8-32 X 1" SST FHS 4
SCREW, #10-32 X 1/2 SST FHS 4
ED SCREW 1/4-20 X 1-1/2 SST SHCS. 12
COVER, REAR1COVER, PAN1
OURCE SUB ASSEMBLY, SD, 10KW 1
CRUCIBLE SPACER 1
CRUCIBLE, 1486cc 1
WATER DUCT 1
TELEMARK telemark.com
MODEL 295-91 EB SOURC
1486cc TROUGH, S/D,10k
$\begin{array}{c} \text{Consent} \\ \text{nufacture,} \\ \text{for the} \end{array} \begin{array}{c} \text{B} & \frac{\text{SCALE 1:4}}{\text{SHEET 1 of 1}} & \frac{\text{DWG NO.}}{\text{295-9991-1}} & \overset{\text{REV}}{\text{A}} \end{array}$



ECN	ZONE	REV	DESCRIPTION	BY	DATE
		Α	RELEASE FOR PRODUCTION		7/11/2005
			Image: Constrained state Image: Constate Image: Constate <td></td> <td></td>		
		PART			295- 9992-1/
л NO.	N	JMBE	ER DESCRIPTION		9992-1/ QTY.
1	NI 271	JMBE -2109	P-1 O-RING, VITON, ID 5/16", W 3/32"		9992-1/ QTY. 2
1	NI 271 271	JMBE -2109 -2452	DESCRIPTION 9-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4"		9992-1/ QTY. 2 2
1 2 3	NI 271 271 271	JMBE -2109 -2452 -6125	DESCRIPTION 9-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 5-9 SCREW, #8-32 X 3/8" SST SHCS		9992-1/ QTY. 2 2 2
1 2 3 4	NI 271 271 271 271	JMBE -2109 -2452 -6129 -6139	DESCRIPTION 9-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 5-9 SCREW, #8-32 X 3/8" SST SHCS 9-1 VENTED SCREW, #8-32 X 1" SST FHS		9992-1/ QTY. 2 2 2 4
1 2 3	NI 271 271 271 271	JMBE -2109 -2452 -6125	DESCRIPTION 9-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 5-9 SCREW, #8-32 X 3/8" SST SHCS 9-1 VENTED SCREW, #8-32 X 1" SST FHS 4-9 SCREW, #10-32 X 1/2 SST FHS		9992-1/ QTY. 2 2 2
1 2 3 4	NI 271 271 271 271 271 271	JMBE -2109 -2452 -6129 -6139	DESCRIPTION 9-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 5-9 SCREW, #8-32 X 3/8" SST SHCS 9-1 VENTED SCREW, #8-32 X 1" SST FHS 4-9 SCREW, #10-32 X 1/2 SST FHS	S.	9992-1/ QTY. 2 2 2 4
1 2 3 4 5	NU 271 271 271 271 271 271 271	JMBE -2109 -2452 -6129 -6139 -6154	DESCRIPTION 9-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 5-9 SCREW, #8-32 X 3/8" SST SHCS 9-1 VENTED SCREW, #8-32 X 1" SST FHS 4-9 SCREW, #10-32 X 1/2 SST FHS 3-2 VENTED SCREW 1/4-20 X 1-1/2 SST SHCS	 	9992-1/ QTY. 2 2 2 4 4
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1 2 3 4 5 6	NU 271 271 271 271 271 271 271 275 295	JMBE -2109 -2452 -6129 -6139 -6154 -6190	DESCRIPTION 9-1 O-RING, VITON, ID 5/16", W 3/32" 2-1 O-RING, VITON, ID 11-1/2", W 1/4" 5-9 SCREW, #8-32 X 3/8" SST SHCS 9-1 VENTED SCREW, #8-32 X 1" SST FHS 4-9 SCREW, #10-32 X 1/2 SST FHS 3-2 VENTED SCREW 1/4-20 X 1-1/2 SST SHCS 0-1 COVER, REAR 1-1 COVER, PAN		9992-1/ QTY. 2 2 2 4 4
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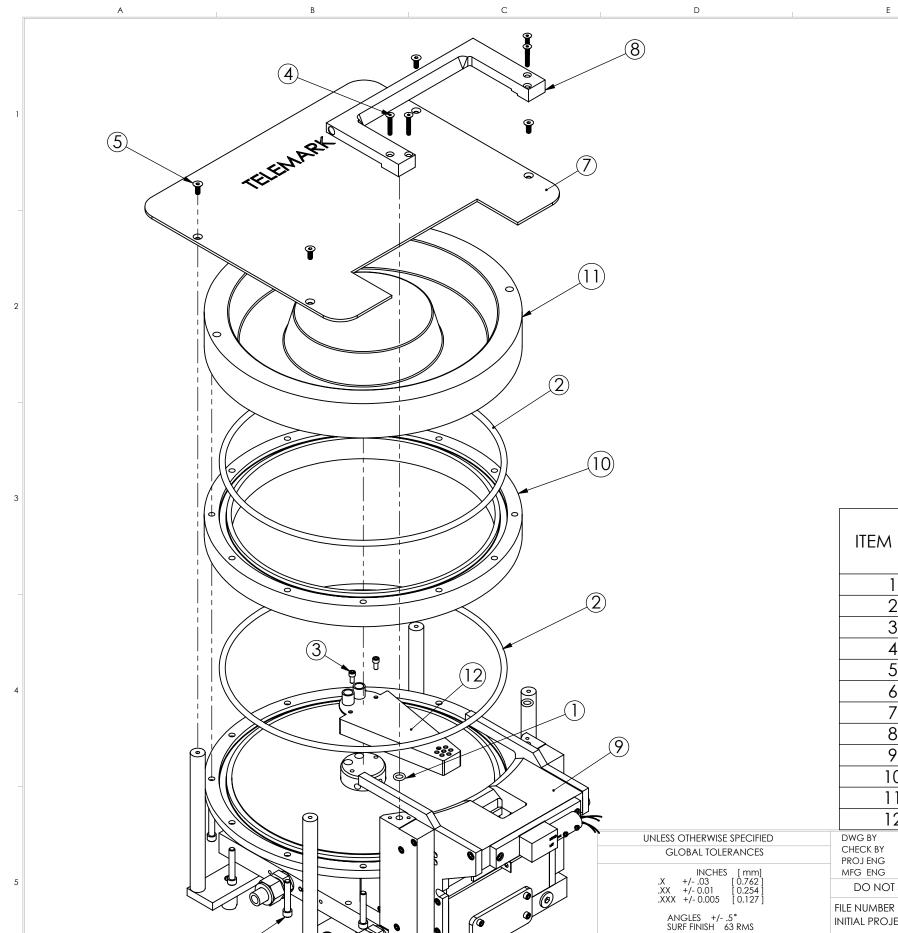
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	10		ITEM NO.	PART NUMBER		DESCRIPTION	295- 9992- QTY
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	\sim		2 3	271-2452-1 271-6125-9		<u>viton, id 11-1/2'', w</u> , #8-32 x 3/8'' sst sho	
			4	271-6139-1		, #0-32 × 378 331 3110 CREW, #8-32 X 1" SST	
			5	271-6154-9	SCREW	/, #10-32 X 1/2 SST FH	IS 4
			6	271-6193-2		EW 1/4-20 X 1-1/2 SS	T SHCS. 12
	12		7	295-0070-1 295-0071-1		COVER, REAR COVER, PAN	
	9		9	295-0135-1	EB SOURCE	SUB ASSEMBLY, BD,	10KW 1
			10	295-0190-1	C	RUCIBLE SPACER	1
			11	295-0240-1	C	RUCIBLE, 1486cc	1
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	GLOBAL TOLERANCES	CHECK BY PROJ ENG	DATE DATE			TELEMARK	telemark.com
	INCHES [mm] .X +/03 [0.762] .XX +/- 0.01 [0.254] .XXX +/- 0.005 [0.127]	MFG ENG	DATE CALE DRAWING	FINISH: THIRD ANGLE PRC			-
	.XX +/- 0.01 [0.254] .XXX +/- 0.005 [0.127] ANGLES +/5° SURF FINISH 63 RMS	FILE NUMBER INITIAL PROJECT	- 295-9992-1			MODEL 295-92 1486cc TROUG	
	CONFIDENTIAL. This document contains prop of TELEMARK. The receipt or possession of the use or sell anything incorporating the conepts benefit of TELEMARK and are not to be disclo	rietary data of TELEMAR document does not co	K and is not to be copi onvey any rights to repr	ed or distribetd without the oduce it, disclose its conte	e prior written consent ents, or to manufacture,		5-9992-1



ECN	ZONE	REV	DESCRIPTION	BY	DATE
		Α	RELEASE FOR PRODUCTION		8/22/2012
			Image: Contract of the second seco		
	PAR	-	DESCRIPTION		295- 9993-1/
	NUMB	ER			9993-1/ QTY.
2	NUMB 71-210	ER)9-1	O-RING, VITON, ID 5/16", W 3/32"		9993-1/ QTY. 2
2	NUMB 71-210 71-245	ER)9-1 52-1	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4"		9993-1/ QTY. 2 2
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2 2 2 2 2	NUMB 71-210 71-245 71-612 71-613	ER)9-1 52-1 25-9 39-1	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS		9993-1/ QTY. 2 2 2 4
2 2 2 2 2 2 2	NUMB 71-210 71-245 71-612 71-613 71-615	ER 09-1 52-1 25-9 39-1 54-9	O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS		9993-1/ QTY. 2 2 2 4 4
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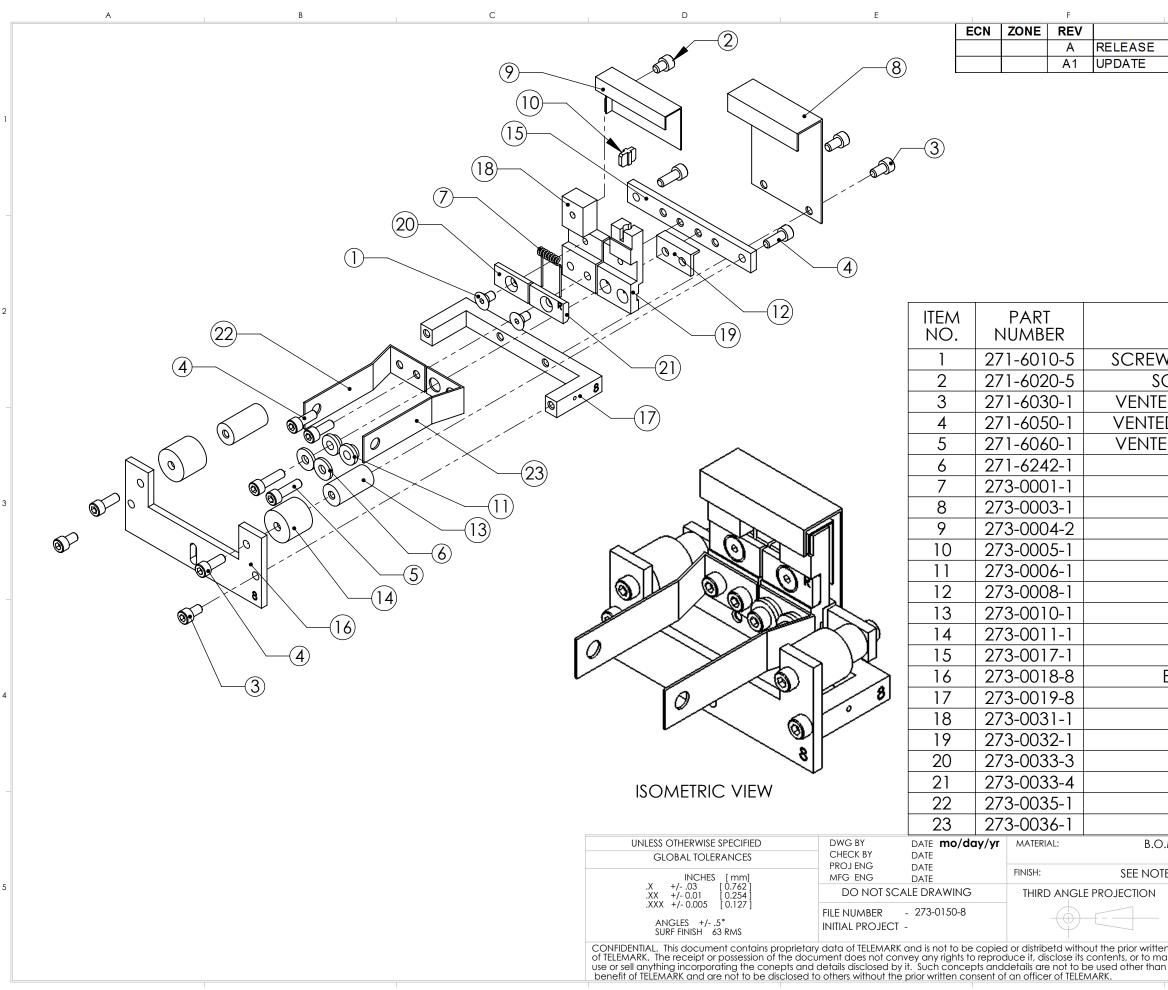
ECN ZONE	REV	DESCRIPTION	BY	DATE
	Α	RELEASE FOR PRODUCTION		8/22/2012
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PART NUMBER		DESCRIPTION	1/2	
NUMBER			1/2	5-9994- 95-9984- /QTY.
NUMBER 271-2109-1		O-RING, VITON, ID 5/16", W 3/32"	1/2	95-9984- /QTY. 2
NUMBER 271-2109-1 271-2452-1		O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4"	1/2	95-9984- /QTY. 2 2
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NUMBER 271-2109-1 271-2452-1 271-6125-9 271-6139-1		O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS	1/2	95-9984- /QTY. 2 2 2 4
NUMBER 271-2109-1 271-2452-1 271-6125-9 271-6139-1 271-6154-9		O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS	1/2	95-9984- /QTY. 2 2 2 4 4
NUMBER 271-2109-1 271-2452-1 271-6125-9 271-6139-1 271-6154-9 271-6193-2		O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHCS.	1/2	95-9984- /QTY. 2 2 2 4
NUMBER 271-2109-1 271-2452-1 271-6125-9 271-6139-1 271-6154-9 271-6193-2 295-0070-1		O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHCS. COVER, REAR	1/2	95-9984- /QTY. 2 2 2 4 4
NUMBER 271-2109-1 271-2452-1 271-6125-9 271-6139-1 271-6154-9 271-6193-2 295-0070-1 295-0071-1		O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHCS. COVER, REAR COVER, PAN	1/2	95-9984- /QTY. 2 2 2 4 4
NUMBER 271-2109-1 271-2452-1 271-6125-9 271-6139-1 271-6154-9 271-6193-2 295-0070-1 295-0071-1 295-0135-1		O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHCS. COVER, REAR COVER, REAR COVER, PAN EB SOURCE SUB ASSEMBLY, BD, 10KW	1/2	95-9984- /QTY. 2 2 2 4 4
NUMBER 271-2109-1 271-2452-1 271-6125-9 271-6139-1 271-6154-9 271-6193-2 275-0070-1 295-0070-1 295-0071-1 295-0135-1 295-0190-1		O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHCS. COVER, REAR COVER, REAR COVER, PAN EB SOURCE SUB ASSEMBLY, BD, 10KW CRUCIBLE SPACER	1/2	95-9984- /QTY. 2 2 2 4 4
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NUMBER 271-2109-1 271-2452-1 271-6125-9 271-6139-1 271-6154-9 271-6193-2 295-0070-1 295-0070-1 295-0071-1 295-0135-1 295-0190-1 295-0240-1 295-0452-1		O-RING, VITON, ID 5/16", W 3/32" O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS VENTED SCREW, #8-32 X 1" SST FHS SCREW, #10-32 X 1/2 SST FHS VENTED SCREW 1/4-20 X 1-1/2 SST SHCS. COVER, REAR COVER, REAR COVER, PAN EB SOURCE SUB ASSEMBLY, BD, 10KW CRUCIBLE SPACER CRUCIBLE, 1486cc WATER DUCT	1/2	95-9984- /QTY. 2 2 2 4 4
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				TERRITOR OF THE SOMETRIC VIEW		
ITEM NO.	PAI			DESCRIPTION	1/2	5-9994- 95-9984
1	271-21	100 1		O-RING, VITON, ID 5/16", W 3/32"		/QTY. 2
<u> </u>	271-21					
23	271-22			O-RING, VITON, ID 11-1/2", W 1/4" SCREW, #8-32 X 3/8" SST SHCS	+	2
4	271-61			VENTED SCREW, #8-32 X 1" SST FHS		4
5	271-61		— ,	SCREW, #10-32 X 1/2 SST FHS		4
6	271-61			/ENTED SCREW 1/4-20 X 1-1/2 SST SHCS.		12
7	295-00			COVER, REAR		
8	295-00			COVER, PAN		<u> </u>
9	295-01		_	EB SOURCE SUB ASSEMBLY, BD, 10KW		1
10	295-01			CRUCIBLE SPACER		1
11	295-02	240-1		CRUCIBLE, 1486cc		1
12	295-04	452-1		WATER DUCT		1
CHECK BY D. PROJENG D. AFGENG D. DONOT SCALE DR	ATE ATE ATE ATE ATE AWING 9994-1	FINISH:		E PROJECTION MODEL 295-94 EI		OURCE
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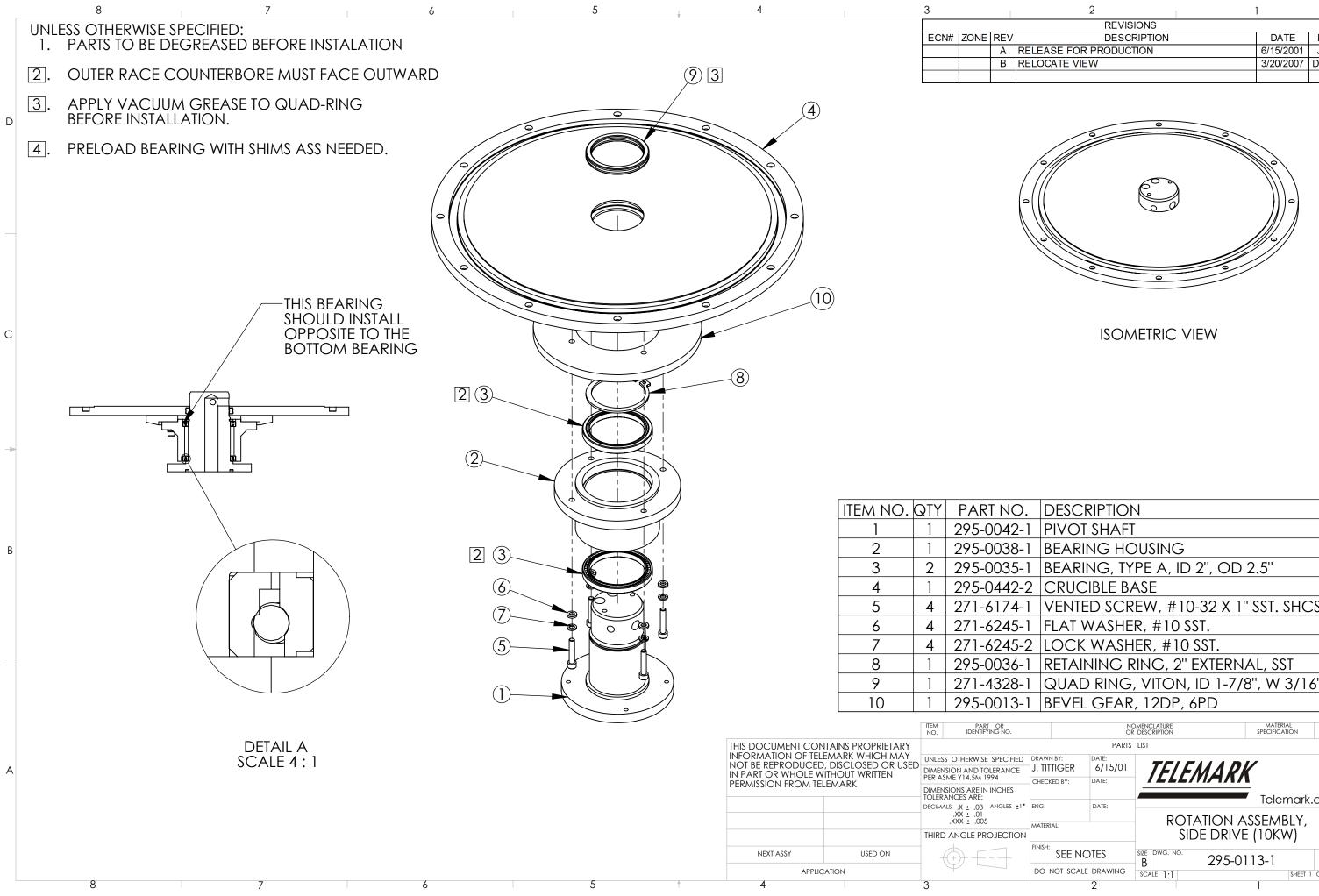
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Common Assemblies E-Beam Source



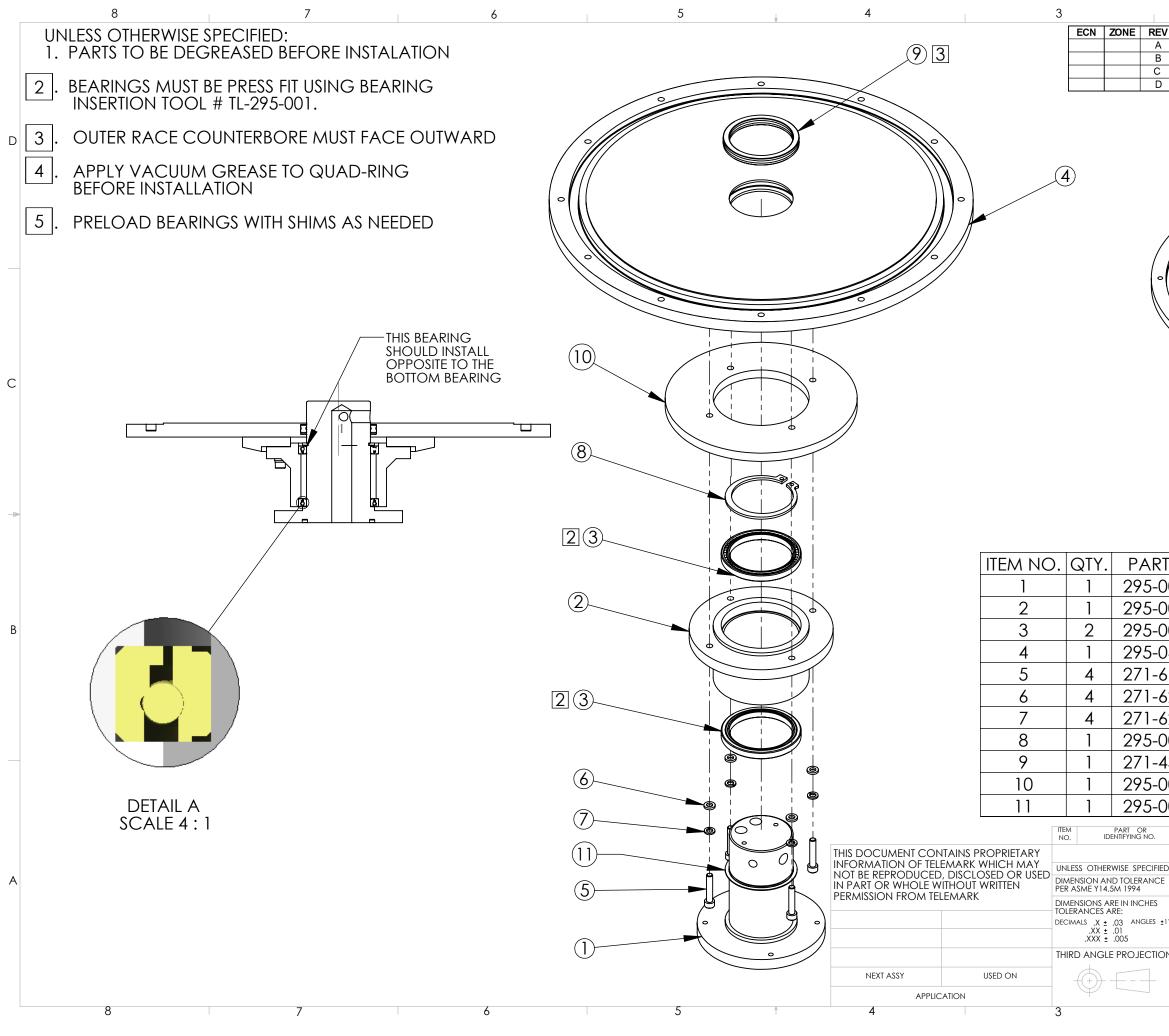
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W #6-32	X 1/4" SLOT FLAT H		2
	€6-32 X 3/16" TI SH		1
	W, #6-32 X 1/4" SS		4
	N, #6-32 X 3/8" SS		6
	W, #6-32 X 1/2" SS		2
	WASHER, #6 SST.		2
	1ENT, 7-1/2 TURN		1
	NODE PLATE		1
BE	AM FORMER		1
	LATOR, CROSS		1
INSUI	ATOR, COLLAR		2
L	INSULATOR		1
Η	V INSULATOR		2
	HV SHIELD		2
MOU	NTING BRACKET		1
EMITTER	SUPPORT BRACKE	T	1
	U-BRACKET		1
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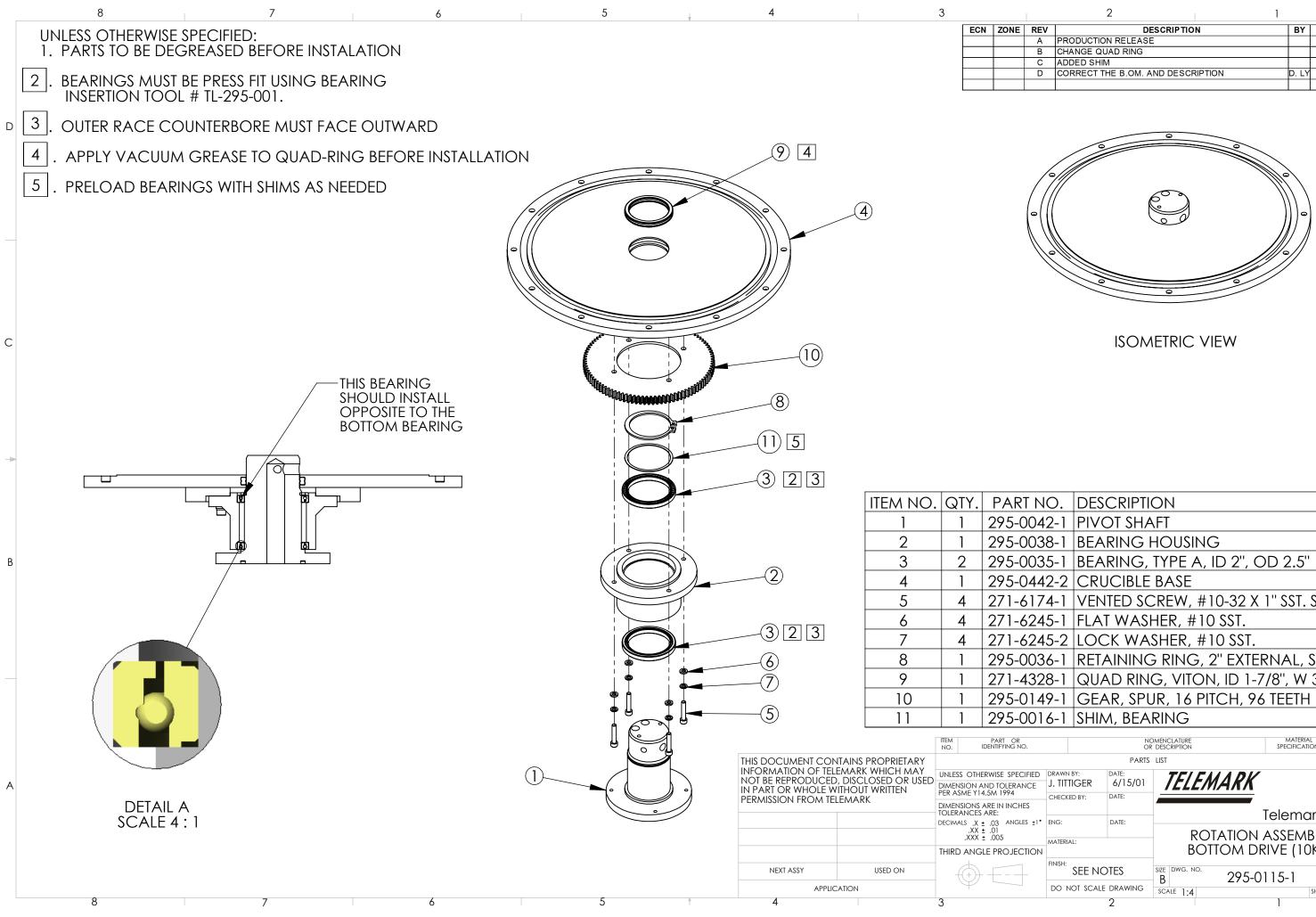
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/	DESCRIPTION	DATE	BY
	RELEASE FOR PRODUCTION	6/15/2001	J.T.
	RELOCATE VIEW	3/20/2007	D. LY

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2-1	PIVOT	⁻ Shaft	-					
3-1	BEARI	NG HC	DUSINC	}				В
5-1	BEARI	NG, TY	PE A, I	D 2", OD	2.5"			
2-2	2 CRUC	IBLE BA	٩SE					
4-1	VENTE	ED SCR	EW, #	10-32 X 1'	'SST.	SHC	:S	
5-1	FLAT V	NASHE	R, #10	SST.				
5-2	LOCK	WASH	ER, #1	O SST.				
5-1	RETAII	NING R	RING, 2	" EXTERN	AL, S	ST		_
3-1	QUAE	RING	, VITO	N, ID 1-7/8	8", W	3/16	5''	
3-1	BEVEL	GEAR	, 12DP	, 6PD				
			DMENCLATURE		MATE		QTY	-
		PARTS	LIST		SPECIFIC	AIION	REQD	-
ED CF	DRAWN BY: J. TITTIGER	DATE: 6/15/01	TC		V			A
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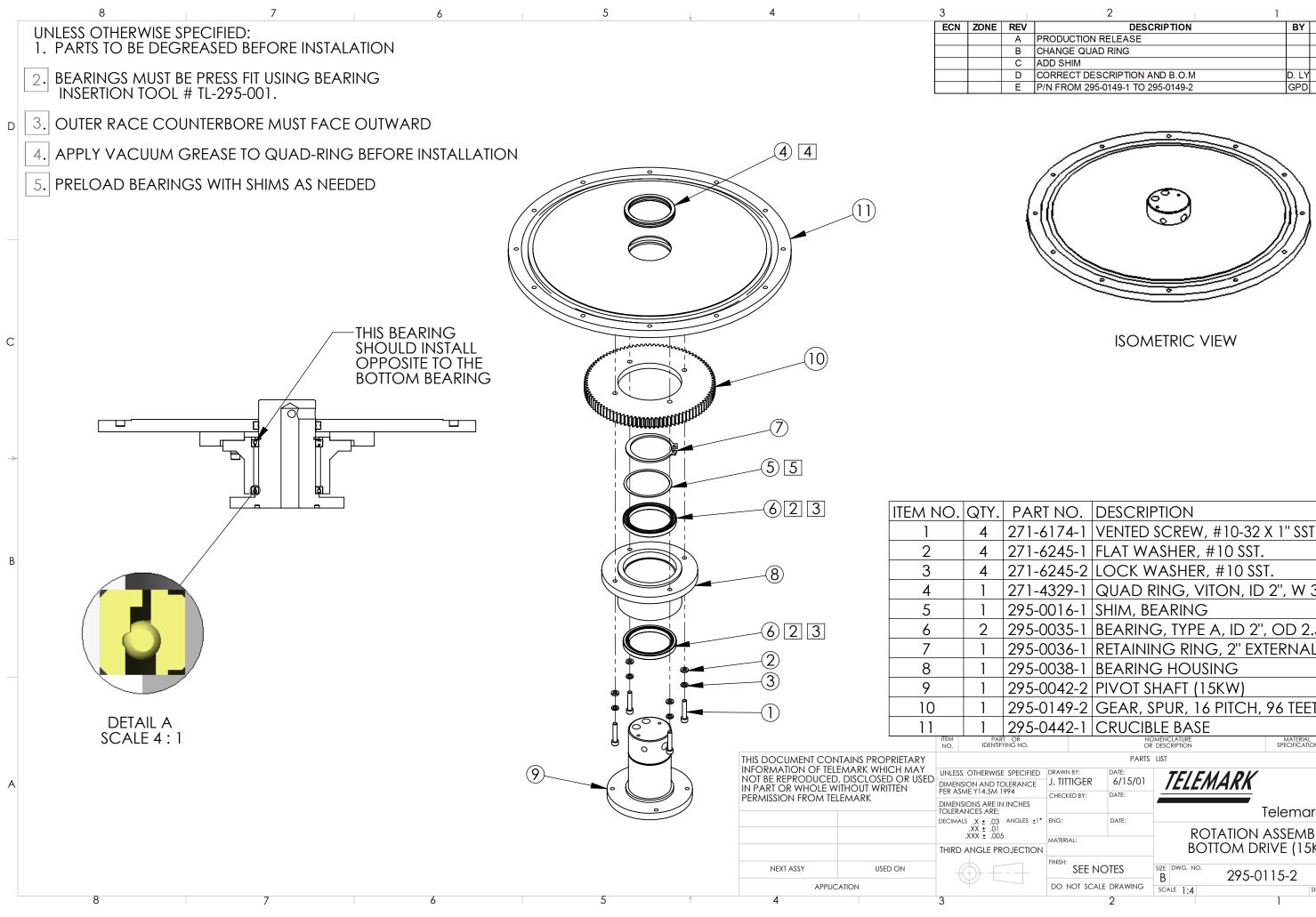
RT NO. DESCRIPTION OVA2-2 PIVOT SHAFT O038-1 BEARING HOUSING O038-1 BEARING HOUSING O035-1 BEARING, TYPE A, ID 2", OD 2.5" O442-1 CRUCIBLE BASE 6174-1 VENTED SCREW, 10-32 x 1" SST SHCS 6245-1 FLAT WASHER, #10 SST 6245-2 LOCK WASHER, #10 SST 6036-1 RETAINING RING, 2" EXTERNAL, SST 6245-2 LOCK WASHER, #10 SST 6036-1 RETAINING RING, 2" EXTERNAL, SST 4329-1 QUAD RING, VITON, ID 2", W 3/16" 0013-1 BEVEL GEAR, 12DP, 6PD 0016-1 SHIM, BEARING PARTS LIT	1		2	1	1				
B CHANGE NEW QUAD RING 7/23/2001 D CORRECT B.O.M AND DESCRIPTION D. LY 3/16/2010 OUAD STATE DESCRIPTION D. LY 3/16/2010 -0042-2 PIVOT SHAFT OO38-1 BEARING, TYPE A, ID 2", OD 2.5" -0042-1 CRUCIBLE BASE -6174-1 VENTED SCREW, 10-32 x 1" SST SHCS -6245-2 LOCK WASHER, #10 SST -6245-2 LOCK WASHER, #10 SST -0036-1 RETAINING RING, 2" EXTERNAL, SST 4329-1 QUAD RING, VITON, ID 2", W 3/16" -0016-1 SHIM, BEARING MANERAL BESCRIPTION BED S at*	REV		DE	SCRIPTION		BY	DATE		
C ADD SHIM 2/11/2002 D CORRECT B.O.M AND DESCRIPTION D. LY 3/16/2010 D D. LY 3/16/2010 D LY 3/16/2010 D D	А		TION RELEASE			6	6/15/2001		
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ISOMETRIC VIEW ISOMETRIC VIEW RT NO. DESCRIPTION O042-2 PIVOT SHAFT O038-1 BEARING HOUSING O035-1 O0442-1 CRUCIBLE BASE -6174-1 OK WASHER, #10 SST -6245-2 LOCK WASHER, #10 SST -6245-2 OCK WASHER, #10 SST -0036-1 RETAINING RING, 2" EXTERNAL, SST -0036-1 ONE EXTERNAL ONE EXTERNAL <td col<="" td=""><td>0</td><td>0</td><td>°</td><td></td><td></td><td></td><td></td><td>D</td></td>	<td>0</td> <td>0</td> <td>°</td> <td></td> <td></td> <td></td> <td></td> <td>D</td>	0	0	°					D
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-0036-1 RETAINING RING, 2" EXTERNAL, SST -4329-1 QUAD RING, VITON, ID 2", W 3/16" -0013-1 BEVEL GEAR, 12DP, 6PD -0016-1 SHIM, BEARING DATE: OR DESCRIPTION PARTS LIST IFIED DRAWN BY: DATE: 6/15/01 CHECKED BY: DATE: 6/15/01 State to parts and the second se	-62	245-2							
-4329-1 QUAD RING, VITON, ID 2", W 3/16" -0013-1 BEVEL GEAR, 12DP, 6PD -0016-1 SHIM, BEARING DOMENCIATURE ON DESCRIPTION PARTS LIST FIELE Telemark.com FINSH: SEE NOTES DO NOT SCALE DRAWING SCALE 1;1 SHEEL OF 1				-			CCT		
OO13-1 BEVEL GEAR, 12DP, 6PD -0016-1 SHIM, BEARING D. NOMENCLATURE OR DESCRIPTION MATERIAL SPECIFICATION OTY REQD PARTS LIST PARTS LIST FIED DRAWN BY: J. TIITIGER 6/15/01 CHECKED BY: DATE: ENG: DATE: ROTATION ASSEMBLY, SIDE DRIVE (15Kw) FINISH: SEE NOTES DO NOT SCALE DRAWING SIZE	-00	1-95/	KEIAINI	NG KING	₽, 2° EXIE	KNAL,	221		
OO13-1 BEVEL GEAR, 12DP, 6PD -0016-1 SHIM, BEARING D. NOMENCLATURE OR DESCRIPTION MATERIAL SPECIFICATION OTY REQD PARTS LIST PARTS LIST FIED DRAWN BY: J. TIITIGER 6/15/01 CHECKED BY: DATE: ENG: DATE: ROTATION ASSEMBLY, SIDE DRIVE (15Kw) FINISH: SEE NOTES DO NOT SCALE DRAWING SIZE	-43	329-1	QUAD F	RING, VIT	ON, ID 2"	, W 3,	/16"	-	
OO16-1 SHIM, BEARING D. NOMENCLATURE OR DESCRIPTION MATERIAL SPECIFICATION OTY REQD PARTS LIST IFIED DATE: 6/15/01 J. TITTIGER 6/15/01 Image: Checked by: DATE: State: DATE: Telemark.com IS ±1" ENG: DATE: MATERIAL: DATE: Telemark.com MATERIAL: SIDE DRIVE (15Kw) TION SEE NOTES SIZE DO NOT SCALE DRAWING SIZE 295-0113-2 SCALE 1:1 SHEET 1 OF 1	-00)13-1							
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OR DESCRIPTION SPECIFICATION REQD PARTS LIST IFIED DRAWN BY: DATE: J. TITTIGER 6/15/01 CHECKED BY: DATE: ENG: DATE: MATERIAL: Telemark.com FINSH: SEE NOTES DO NOT SCALE DRAWING SIZE DO NOT SCALE DRAWING SCALE		/ I U ⁼ I	· ·		1	MATERIAL			
IFIED DRAWN BY: DATE: J. TITTIGER 6/15/01 CHECKED BY: DATE: ENG: DATE: MATERIAL: Telemark.com TION FINISH: SEE NOTES SIZE DO NOT SCALE DRAWING SIZE).		0	R DESCRIPTION	S			A	
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ES ±1° ENG: DATE: Telemark.com MATERIAL: ROTATION ASSEMBLY, SIDE DRIVE (15Kw) FINISH: SEE NOTES DO NOT SCALE DRAWING SCALE 1:1 SHEET 1 OF 1	1CE			/LLL//					
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TION SIDE DRIVE (15Kw)	S ±1°	ENG:	DATE:			1010111			
TION SIDE DRIVE (15Kw)		MATERIAL:		RO	TATION AS	SEMBL	<u>Y</u> ,		
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DO NOT SCALE DRAWING B 295-0113-2 D SCALE 1:1 SHEET 1 OF 1		FINISH: SEE	NOTES	SIZE DWG. NO.					
SCALE [1] SHEEL FOR T				-	295-011		_		
				SCALE 1:1]		icci i Uf I		



	Z		
REV	DESCRIPTION	BY	DATE
А	PRODUCTION RELEASE		6/15/2001
В	CHANGE QUAD RING		7/23/2001
С	ADDED SHIM		2/11/2002
D	CORRECT THE B.OM. AND DESCRIPTION	D. LY	3/16/2010

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ΓN	О.	DES	CRIPTI	O	Ν					
04	2-1	PIV	OT SHA	١F	Т					
03	8-1	BEA	RING I	ЧС	DUSIN	G				
03	5-1	BEA	RING,	ΤY	ΥΡΕ Α,	ID 2", O	D 2.5	·11)		В
44	2-2	CRL	JCIBLE	B,	ASE					
17	4-1	VEN	TED SC	CR	EW, #	10-32 X	1" SST	. Shc	CS	
24	5-1	FLA [®]	t wasi	HE	ER, #10	D SST.				
24	5-2	LOC	CK WA	S⊦	HER, #	10 SST.				
03	6-1	RET/		ЭF	RING,	2" EXTER	RNAL,	SST		
32	8-1	QUA	D RIN	G,	, VITOI	N, ID 1-7	/8", W	/ 3/1	6"	
14	9-1	GEA	R, SPL	JR	, 16 PI	TCH, 96	TEETH	-		
01	6-1	SHIN	л, BEA	RI	NG					
					NCLATURE SCRIPTION		MATER SPECIFIC		QTY REQD	
•			PARTS				01 201107		REGD	
FIED CE	drawn J. TIT	i by: TIGER	date: 6/15/01		TELE	MARK				A
S	CHECK	ED BY:	DATE:							
5 ±1°	ENG:		DATE:			-	Telem	ark.c	com	
	MATERI	AL:		-						
ION	FINISH:			-	BO	ttom dr	IVE (I	UKW)	
		SEE NC	DTES	size B	DWG. NO.	295-0	115-1		REV.	
	DO N	NOT SCALE	DRAWING	SC	CALE 1.4			SHEET 1	OF 1	

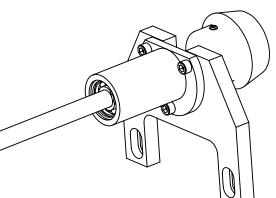


2 1		
DESCRIPTION	BY	DATE
PRODUCTION RELEASE		6/15/2001
CHANGE QUAD RING		7/23/2001
ADD SHIM		2/11/2002
CORRECT DESCRIPTION AND B.O.M	D. LY	3/16/2010
P/N FROM 295-0149-1 TO 295-0149-2	GPD	1/9/2017

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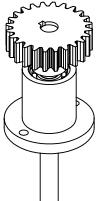
\R1	NO.	D	escrii	PTION				
1-6	174-1	V	ENTED	SCREV	V, #10-322	X 1" SS	ST. SHC	S
1-6	245-1	FI	LAT W/	ASHER,	, #10 SST.			
1-6	245-2	L	OCK V	VASHE	R, #10 SS	Г.		B
1-4	329-1	G		RING, V	VITON, ID	2", W	3/16"	
5-0	016-1	SI	HIM, BI	EARING	G			
5-0	035-1	В	EARIN	G, TYP	E A, ID 2'',	OD 2	2.5"	
5-0	036-1	R	etaini	NG RIN	NG, 2'' EX	[ERNA	L, SST	
5-0	038-1	В	EARIN	G HOL	JSING			
5-0	042-2	Ρ	IVOT S	HAFT (15KW)			
5-0	149-2	G	EAR, S	SPUR, 1	6 PITCH,	96 TEI	ETH	
5-0	442-1	С	RUCIB	LE BAS	SE			
				DMENCLATURE		MATERIA SPECIFICA		
			PARTS	LIST				A
FIED CE	drawn by: J. TITTIGE	R	date: 6/15/01	TELE	EMARK			
5	CHECKED BY:		DATE:					
±1•	ENG:		DATE:			elemo	ark.cor	n
	MATERIAL:				OTATION /			
ION				B	OTTOM DR	IVE (1.	5Kw)	
	FINISH: SEE	E NC	DTES	SIZE DWG. NO	295-0	15-2	REV	
	DO NOT S	CALE	DRAWING	SCALE 1:4	270 0	10 2	SHEET 1 OF	•
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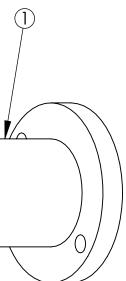
_	8 7 6 5	4			3	2		1	
	UNLESS OTHERWISE SPECIFIED:				REV	SIONS			
	1. CLEAN AND DEGREASE ALL PARTS	ECN#	ZONE				DATE	CHG BY	
	BEFORE ASSEMBLY.					N RELEASE	7/26/2		_
				B CHANGE	SIDE DRIVE CON	NECTION TO .375	(WAS .250) 7/1/2	010	_
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				IIEM NO. C	QTY. PART NO.				
					1 295-0010-1	HOUSING, S			
				2	2 295-0009-1		<u>D 3/8, OD 7/8</u>		
В				3	1 295-0011-1 2 271-6281-1	SHAFT, SIDE	, EXTERNAL, 3/8"		E
	<u>(4)</u>			4 5	2 271-6281-1 1 295-0012-1		ON, 1.5PD, 12DP		
				/	1 271-6200-1		8-32 x 3/8" SST		
				6	1 295-1250-2		F KEY, 1/8 x .25 RA		
				8	1 295-0007-1		, INTERNAL, 7/8''		
				9	1 295-0015-1	MOUNT, SIE			
				10	3 271-6128-9				
						, , <u>,</u>		J	
								MATERIAL	
					ITEM PART OR NO. IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION RTS LIST	MATERIAL SPECIFICATION R	QTY REQD
		INFORMA	TION OF TE	NTAINS PROPRIETARY LEMARK WHICH MAY D, DISCLOSED OR USE	UNLESS OTHERWISE SPECIFIED	DRAWN BY: DATE:			A
A		IN PART C	DR WHOLE V	VITHOUT WRITTEN	PER ASME Y14.5M 1994	J. TITTIGER 05/04/0 CHECKED BY: DATE:			
					DIMENSIONS ARE IN INCHES TOLERANCES ARE:		te	elemark.com	
					DECIMALS .X ± .03 ANGLES ±1 .XX ± .01 .XXX ± .005	MATERIAL:			
					THIRD ANGLE PROJECTION	1	Side Drive A	ssembly	
		NE	(T ASSY	USED ON		FINISH: _	SIZE DWG. NO. 295-01		^{rev.}
	8 7 6 5	A	APPLI	CATION	3	DO NOT SCALE DRAWING	SCALE 1:4	SHEET 1 OF	
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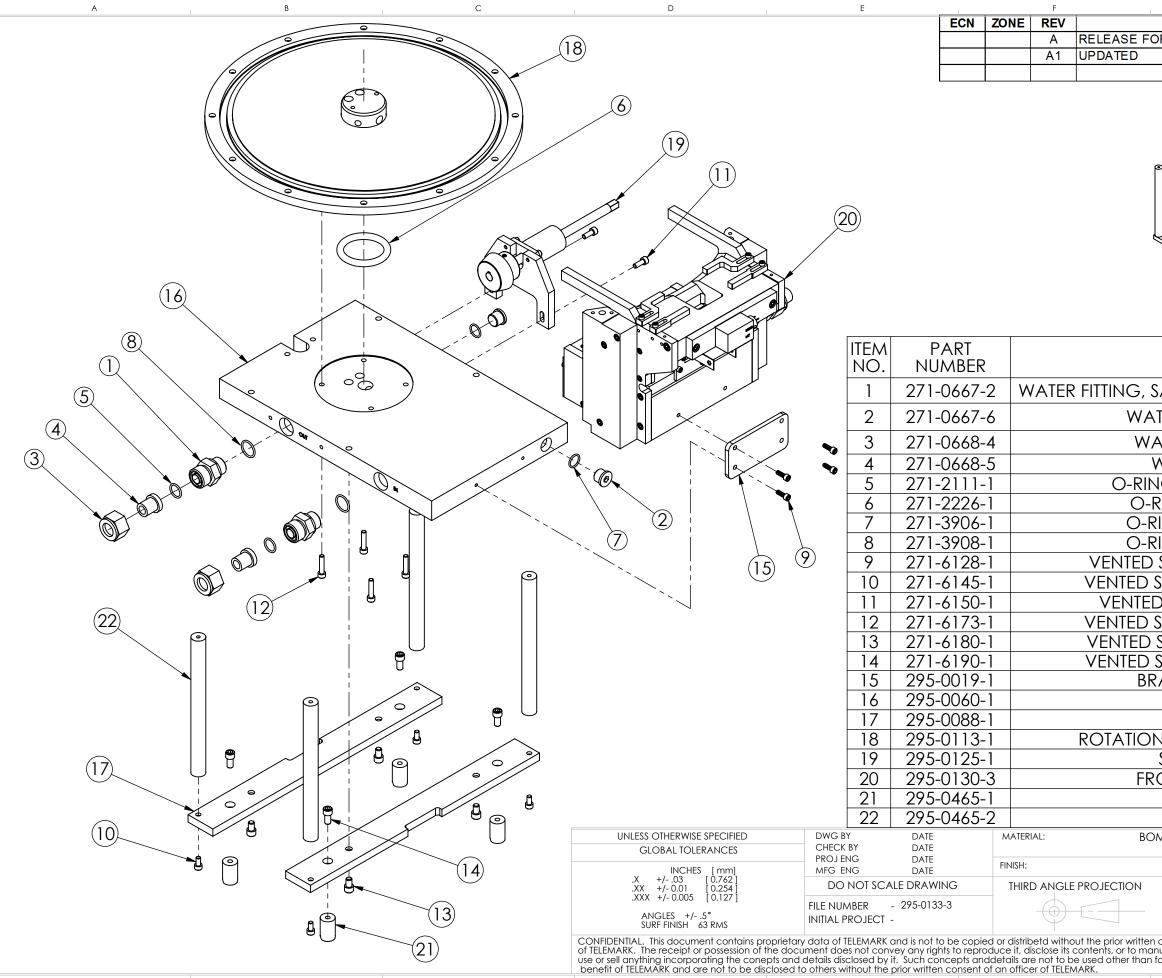
			OMENCLATURE R DESCRIPTION		MATERIAL SPECIFICATION	QTY REQD
		PARTS	LIST			
ED CE	drawn by: J. TITTIGER	date: 05/04/01	TELEI	MARK		/
	CHECKED BY:	DATE:		te	lemark.com	
<u>+</u>]•	ENG:	DATE:				
ON	MATERIAL:		Sid	e Drive As	sembly	
	FINISH:	-	SIZE DWG. NO.	295-012	25-1	REV. B
	DO NOT SCA	LE DRAWING	SCALE 1:4	270 012	SHEET	-
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							:			ECN# ZONI	REV	REVISIONS DESCRIPTION		DATE CHG E	3Y
											A PRODUCTION B CHANGE SIDE	RELEASE DRIVE CONNECTION T	O .375 (WAS .250)	7/26/2001 7/1/2010	
											C P/N FROM 295	-0150-1 TO 295-0150-2		1/9/2017 GPD	<u> </u>
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										<u>10. QTY.</u> 1		DESCRIPTIC HOUSING, E			_
		8			(4)				2	2		BEARING, I			_
		_							3	2		SNAP RING			_
									4	1		WOODRUF			
									5	1		SHAFT, BOT			
									6	1		SNAP RING			
									8	1		SET SCREW			
									9	ITEM NO. IDE	295-0150-2	GEAR, SPUR	R, 16 PITCH, 2	MATERIAL	TY
								THIS DOCUMENT CONTAIN	IS PROPRIETARY	NO. IDE	TIFYING NO.	OR DESCRIPTI	ION	SPECIFICATION REC	
A								INFORMATION OF TELEMA NOT BE REPRODUCED, DIS	rk which may Closed or usei		TOLERANCE DRAWN BY:	DATE: 7/26/01	TEMARK		A
								IN PART OR WHOLE WITHC PERMISSION FROM TELEMA	ui written \RK	PER ASME Y14.5	A 1994 CHECKED BY			attle Ground, WA	
										DIMENSIONS AR TOLERANCES AR DECIMALS .X ± .	E: 13 ANGLES ±1* ENG: 11 1005 MATERIAL:	DATE:	DC		
										.xx ± . .xxx ± . THIRD ANGLE	no tretto te:	_	BOTTOM DRI	VE ASSY	
								NEXT ASSY	USED ON		FINISH:	- SIZE DW		RE'	v.
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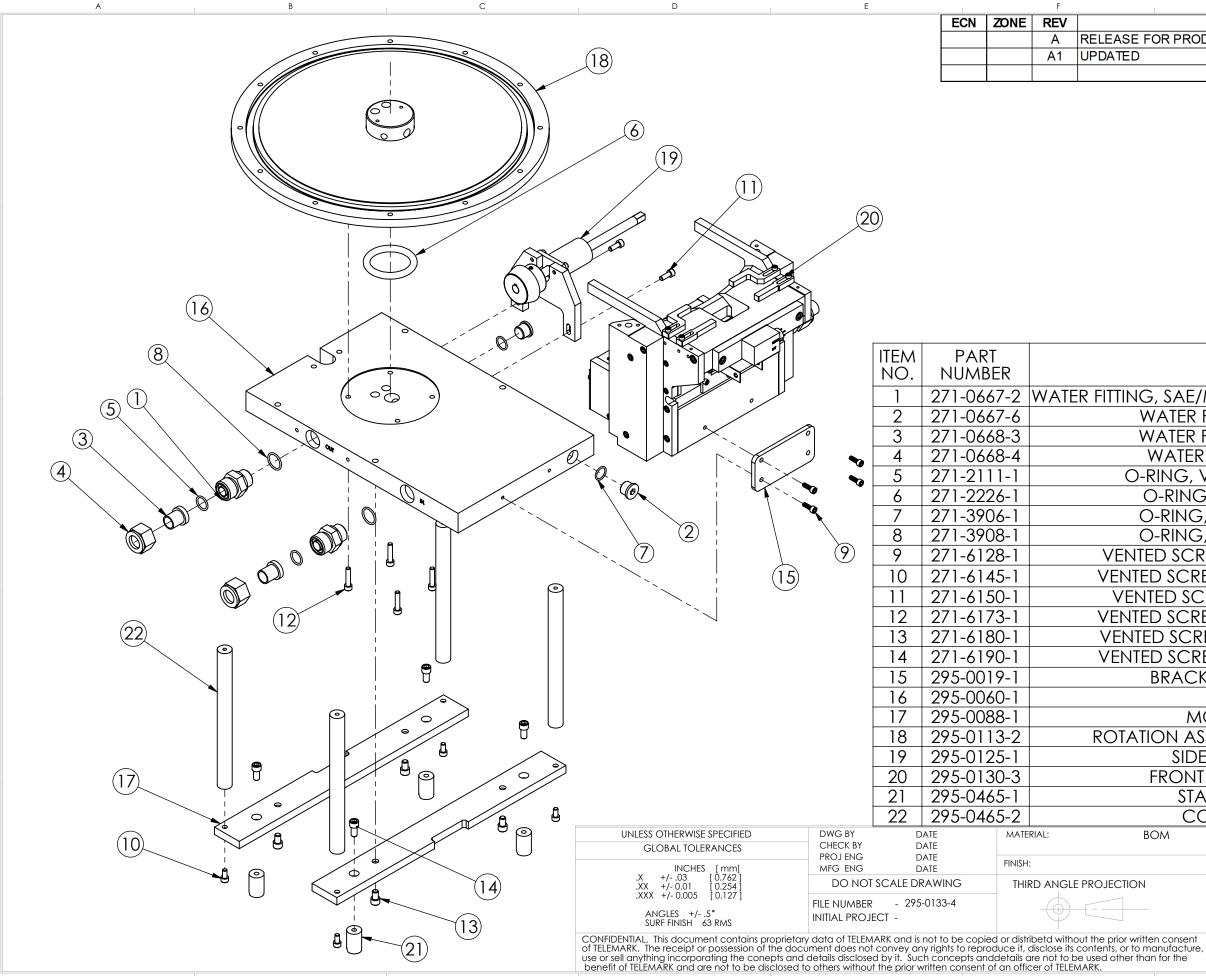




		А	В		D	E		F	G	Н
			$\nearrow$				ECN Z		DESCRIPTION	BY DATE
				<b>a</b>				A RELEASE FOR PROD B REVISING POLE PIEC		PWF 8/22/2013 GPD 11/20/2013
		\ <del>\</del>			20 (10)	(17)		B1 ADDING P/N 295-0053-		GPD 12/8/2014
					(18)					
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	TEM NO.	PART NUMBER	DESCRIPTION	QTY.					23)	
_	10.						0			_
		271-0055-1	PERMANENT MAGNET			, ,				
	2	271-0667-1	WATER FITTING, 9/16 SAE/8-VCO	2	(15)	$\langle \rangle$			(7)	
	3	271-0667-6	WATER FITTING PLUG, 9/16-18	3						
	4	271-0668-4	WATER FITTING, F NUT, VCO	2					26)	
3	5	271-0668-5	WATER FITTING, GLAND	2		0			20	
	6	271-2111-1	O-RING, VITON, ID 7/16", W 3/32"	2			/			
	7	271-2204-1	O-RING, VITON, ID 3/8", W 1/8"	2	s i	0	/(	13		
	8	271-3906-1	O-RING, VITON, TUBE OD 3/8"	5			/`		N	2
_	9	271-6000-1	VENTED SCREW, #4-40 X 3/8" SST SHCS	2	(10)					6
	10	271-6050-1	VENTED SCREW, #6-32 UNC X 3/8" SHCS	9	(10)	(16)				<u>(</u> 4)
	11	271-6128-1	VENTED SCREW, #8-32 X 1/2" SST SHCS	4		$\bigcirc$	(19)	(21)		4
	12	271-6136-1	VENT SCREW, #8-32 X 1-1/8" SHCS	6						
	13	271-6150-1	VENTED SCREW, #10-32 X 1/2" SHCS	4						
4	14	271-6060-9	SCREW, #6-32 X 1/2" SST SHCS	4				(8)		
	15	273-0150-8	EMITTER ASSEMBLY	1						
	16	295-0018-2	MOUNTING BLOCK, EMITTER	1				(3)	$\langle 0 \rangle$	
	17	295-0053-4	POLE PIECE	2					~	
_	18	295-0053-5	POLE PIECE	2						_
	19	295-0053-6	POLE PIECE	2						
	20	295-0058-4	MAGNET ARM, LEFT	1	UNLESS OTHERWISE SPECIFIED	DWG BY DATE	=	MATERIAL:	<b>TFIFIIA</b> 81/	
	21	295-0059-4	MAGNET ARM, RIGHT	1	GLOBAL TOLERANCES	CHECK BY DATE	=		TELEMARK tele	mark.com
	22	295-0080-1	FRONT SHIELD ASSEMBLY	1		PROJENG DATE		FINISH:		
-	23	295-0082-1	BRACKET, MAGNET SUPPORT	1	INCHES [ mm] .X +/03 [ 0.762 ] .XX +/- 0.01 [ 0.254 ] .XXX +/- 0.005 [ 0.127 ]	DO NOT SCALE DRAV				
	24	295-0083-1	REAR SHIELD	1	ANGLES +/5° SURF FINISH 63 RMS	FILE NUMBER - 295-01 INITIAL PROJECT -	30-3		FRONT COIL/EM	IIIEK ASSY.
-	25	295-0084-1	COOLING BLOCK, LEFT	1	SURF FINISH 63 RMS CONFIDENTIAL. This document contains proprie		t to be conied	or distribut without the prior written consent	SCALE 1.2 DWG NO.	REV
-	26	275-0084-1	COOLING BLOCK, RIGHT	1	of TELEMARK. The receipt or possession of the o use or sell anything incorporating the conepts o	locument does not convey any ri 1nd details disclosed by it. Such c	ights to reprod concepts andc	uce it, disclose its contents, or to manufacture, letails are not to be used other than for the		<b>D130-3</b> B1
	∠0	∠7J-000J-1			benefit of TELEMARK and are not to be disclose	ed to others without the prior writt	en consent of	an officer of TELEMARK.		



FOR PRODUCTION       PWF       8/22/2013         GPD       12/9/2014         Image: Construction of the system       GPD         Image: Construction of the system       Image: Construction of the system         Image: Construction of the system       Image: Construction of the system         Image: Construction of the system       Image: Construction of the system         Image: Construction of the system       Image: Construction of the system         Image: Construction of the system       Image: Construction of the system         Image: Construction of the system       Image: Construction of the system         Image: Construction of the system       Image: Construction of the system         Image: Construction of the system       Image: Construction of the system         Image: Construction of the system       Image: Construction of the system         Image: Construction of the system       Image: Construction of the system         Image: Construction of the system       Image: Construction of the system         Image: Construction of the system       Image: Construction of the system         Image: Construction of the system       Image: Construction of the system         Image: Construction of the system       Image: Construction of the system         Image: Construction of the system       Image: Construction of the system         Image: Constructi	G		I	Н	
GPD       12/9/2014         Image: Construction of the system       Image: Construction of the system         DESCRIPTION       QTY         SAE/MS CONNECTOR (3/4 SAE/8-VCO)       2         ATER FITTING PLUG, 9/16-18       2         /ATER FITTING, F NUT, VCO       2         WATER FITTING, GLAND       2         NG, VITON, ID 7/16", W 3/32"       2         -RING, VITON, ID 7/16", W 3/32"       2         -RING, VITON, ID 2", W 1/8"       1         RING, VITON, TUBE OD 3/8"       2         SCREW, #10-32 X 1/2" SST SHCS       4         OSCREW, #10-32 X 1/2" SST SHCS       4         OSCREW, 1/4-20 X 3/8" SST SHCS       4         MOUNTING STRAP       2         NASSEMBLY		IION		BY	DATE
DESCRIPTION       QTY         SAE/MS CONNECTOR (3/4 SAE/8-VCO)       2         ATER FITTING PLUG, 9/16-18       2         /ATER FITTING, F NUT, VCO       2         WATER FITTING, GLAND       2         NG, VITON, ID 7/16", W 3/32"       2         -RING, VITON, ID 7/16", W 3/32"       2         SCREW, #8-32 X 1/2" SST SHCS       4         DSCREW, #10-32 X 3/8" SST SHCS       4         DSCREW, #10-32 X 7/8" SST SHCS       4         DSCREW, 1/4-20 X 3/8" SST SHCS       4         DSCREW, 1/4-20 X 1/2" SST SHCS       4         DSCREW, 1/4-20 X 3/8" SST SHCS       4         DSCREW, 1/4-20 X 3/8" SST SHCS       4         SCREW, 1/4-20 X 3/8" SST SHCS       4         DSCREW, 1/4-20 X 3/8" SST SHCS       4         SCREW, 1/4-20 X 3/8" SST SHCS       4         SCREW, 1/4-20 X 3/8" SST SHCS       4         NASSEMBLY, SIDE DRIVE (10KW)       1         SIDE DRIVE ASSEMBLY       1         RONT COIL/EMITTER ASSY.       1         STANDOFF, SOURCE       4         OM       IELEMARK         EB SOURCE SUB ASSEMBLY, SD, 10kW         revence       4         M       IELEMARK         telemark.com       EB SOURCE	OR PRODUCTION				
DESCRIPTION         QTY           SAE/MS CONNECTOR (3/4 SAE/8-VCO)         2           ATER FITTING PLUG, 9/16-18         2           /ATER FITTING PLUG, 9/16-18         2           /ATER FITTING, F NUT, VCO         2           WATER FITTING, GLAND         2           ING, VITON, ID 7/16", W 3/32"         2           -RING, VITON, ID 2", W 1/8"         1           RING, VITON, ID 2", W 1/8"         1           RING, VITON, TUBE OD 3/8"         2           RING, VITON, TUBE OD 1/2"         2           OSCREW, #8-32 X 1/2" SST SHCS         4           D SCREW, #10-32 X 3/8" SST SHCS         4           D SCREW, #10-32 X 7/8" SST SHCS         4           OSCREW, 1/4-20 X 3/8" SST SHCS         4           OSCREW, 1/4-20 X 1/2" SST SHCS         4           NASSEMBLY, SIDE DRIVE (10KW)         1           SIDE DRIVE ASSEMBLY         1           ROUNTING STRAP         2           OM         Image: Covert Assembly         1           RONT COIL/EMITTER ASSY.         1           STANDOFF, SOURCE         4 </td <td></td> <td></td> <td></td> <td>GPD</td> <td>12/9/2014</td>				GPD	12/9/2014
SAE/MS CONNECTOR (3/4 SAE/8-VCO)       2         ATER FITTING PLUG, 9/16-18       2         /ATER FITTING, F NUT, VCO       2         WATER FITTING, GLAND       2         NG, VITON, ID 7/16", W 3/32"       2         -RING, VITON, ID 7/16", W 3/32"       2         -RING, VITON, ID 7/16", W 3/32"       2         -RING, VITON, ID 2", W 1/8"       1         RING, VITON, TUBE OD 3/8"       2         RING, VITON, TUBE OD 1/2"       2         OSCREW, #8-32 X 1/2" SST SHCS       4         OSCREW, #10-32 X 3/8" SST SHCS       4         D SCREW, #10-32 X 7/8" SST SHCS       4         OSCREW, 1/4-20 X 3/8" SST SHCS       4         OSCREW, 1/4-20 X 1/2" SST SHCS       4         PSCREW, 1/4-20 X 1/2" SST SHCS       4         PSCREW, 1/4-20 X 1/2" SST SHCS       4         PSCREW, SIDE DRIVE (10KW)       1         SIDE DRIVE ASSEMBLY       1         ROUNTING STRAP       2         OM       Image: Cover, STANDOFF       4         OM       Image: Cover, STANDOFF       4         OM		ISON		ĒW	
ATER FITTING PLUG, 9/16-18 ATER FITTING, F NUT, VCO WATER FITTING, GLAND NG, VITON, ID 7/16", W 3/32" -RING, VITON, ID 2", W 1/8" RING, VITON, TUBE OD 3/8" 2 RING, VITON, TUBE OD 1/2" 2 D SCREW, #8-32 X 1/2" SST SHCS 4 D SCREW, #10-32 X 3/8" SST SHCS 4 D SCREW, #10-32 X 1/2" SHCS 5 SCREW, #10-32 X 7/8" SST SHCS 4 D SCREW, #10-32 X 7/8" SST SHCS 4 D SCREW, 1/4-20 X 3/8" SST SHCS 4 D SCREW, 1/4-20 X 1/2" SST SHCS 4 RACKET, EMITTER MOUNT BASE PLATE MOUNTING STRAP 2 DN ASSEMBLY, SIDE DRIVE (10KW) SIDE DRIVE ASSEMBLY RONT COIL/EMITTER ASSY. 5 TANDOFF, SOURCE 4 COVER, STANDOFF 4 D M B SCALE 1:4 DWG NO. 295-0133-3 REV A 1 A 2 A 3 A 2 A 3 A 3	DESCRIF	PTION			QTY.
/ATER FITTING, F NUT, VCO       2         WATER FITTING, GLAND       2         ING, VITON, ID 7/16", W 3/32"       2         -RING, VITON, ID 2", W 1/8"       1         RING, VITON, ID 2", W 1/8"       1         RING, VITON, TUBE OD 3/8"       2         OSCREW, #8-32 X 1/2" SST SHCS       4         OSCREW, #10-32 X 3/8" SST SHCS       4         OSCREW, #10-32 X 1/2" SHCS       4         OSCREW, #10-32 X 7/8" SST SHCS       4         OSCREW, #10-32 X 7/8" SST SHCS       4         OSCREW, #10-32 X 7/8" SST SHCS       4         OSCREW, 1/4-20 X 3/8" SST SHCS       4         OSCREW, 1/4-20 X 1/2" SST SHCS       4         OSCREW, 1/4-20 X 1/2" SST SHCS       4         OSCREW, 1/4-20 X 1/2" SST SHCS       4         NASSEMBLY, SIDE DRIVE (10KW)       1         SIDE DRIVE ASSEMBLY       1         RONT COIL/EMITTER ASSY.       1         STANDOFF, SOURCE       4         COVER, STANDOFF       4         OM       Image: Market Comment.com         EB SOURCE SUB ASSEMBLY, sold and and and and and and and and and an	SAE/MS CON	INECTOR	(3/4 SAE/8	3-VC	C) 2
NG, VITON, ID 7/16", W 3/32"       2         -RING, VITON, ID 2", W 1/8"       1         RING, VITON, TUBE OD 3/8"       2         RING, VITON, TUBE OD 1/2"       2         D SCREW, #8-32 X 1/2" SST SHCS       4         D SCREW, #10-32 X 3/8" SST SHCS       4         D SCREW, #10-32 X 1/2" SHCS       4         D SCREW, #10-32 X 7/8" SST SHCS       4         D SCREW, 1/4-20 X 3/8" SST SHCS       4         D SCREW, 1/4-20 X 1/2" SST SHCS       4         D SCREW, 1/4-20 X 1/2" SST SHCS       4         D SCREW, 1/4-20 X 1/2" SST SHCS       4         PSCREW, 1/4-20 X 1/2" SST SHCS       4         NASSEMBLY, SIDE DRIVE (10KW)       1         SIDE DRIVE ASSEMBLY       1         RONT COIL/EMITTER ASSY.       1         STANDOFF, SOURCE       4         OM       Image: Cover, STANDOFF       4         OM       Image: Cover, Standord	ATER FITTING F	PLUG, 9/16	6-18		2
NG, VITON, ID 7/16", W 3/32"       2         -RING, VITON, ID 2", W 1/8"       1         RING, VITON, TUBE OD 3/8"       2         RING, VITON, TUBE OD 1/2"       2         D SCREW, #8-32 X 1/2" SST SHCS       4         D SCREW, #10-32 X 3/8" SST SHCS       4         D SCREW, #10-32 X 1/2" SHCS       4         D SCREW, #10-32 X 7/8" SST SHCS       4         D SCREW, 1/4-20 X 3/8" SST SHCS       4         D SCREW, 1/4-20 X 1/2" SST SHCS       4         D SCREW, 1/4-20 X 1/2" SST SHCS       4         D SCREW, 1/4-20 X 1/2" SST SHCS       4         PSCREW, 1/4-20 X 1/2" SST SHCS       4         NASSEMBLY, SIDE DRIVE (10KW)       1         SIDE DRIVE ASSEMBLY       1         RONT COIL/EMITTER ASSY.       1         STANDOFF, SOURCE       4         OM       Image: Cover, STANDOFF       4         OM       Image: Cover, Standord	ATER FITTING	F NUT, VC	0		2
NG, VITON, ID 7/16", W 3/32"       2         -RING, VITON, ID 2", W 1/8"       1         RING, VITON, TUBE OD 3/8"       2         RING, VITON, TUBE OD 1/2"       2         D SCREW, #8-32 X 1/2" SST SHCS       4         D SCREW, #10-32 X 3/8" SST SHCS       4         D SCREW, #10-32 X 1/2" SHCS       4         D SCREW, #10-32 X 7/8" SST SHCS       4         D SCREW, 1/4-20 X 3/8" SST SHCS       4         D SCREW, 1/4-20 X 1/2" SST SHCS       4         D SCREW, 1/4-20 X 1/2" SST SHCS       4         D SCREW, 1/4-20 X 1/2" SST SHCS       4         PSCREW, 1/4-20 X 1/2" SST SHCS       4         NASSEMBLY, SIDE DRIVE (10KW)       1         SIDE DRIVE ASSEMBLY       1         RONT COIL/EMITTER ASSY.       1         STANDOFF, SOURCE       4         OM       Image: Cover, STANDOFF       4         OM       Image: Cover, Standord					2
-RING, VITON, ID 2", W 1/8"       1         RING, VITON, TUBE OD 3/8"       2         RING, VITON, TUBE OD 1/2"       2         D SCREW, #8-32 X 1/2" SST SHCS       4         D SCREW, #10-32 X 3/8" SST SHCS       4         D SCREW, #10-32 X 1/2" SHCS       2         D SCREW, #10-32 X 7/8" SST SHCS       4         D SCREW, #10-32 X 7/8" SST SHCS       4         D SCREW, #10-32 X 7/8" SST SHCS       4         D SCREW, 1/4-20 X 3/8" SST SHCS       4         D SCREW, 1/4-20 X 1/2" SST SHCS       4         P SCREW, 1/4-20 X 1/2" SST SHCS       4         NASSEMBLY, SIDE DRIVE (10KW)       1         SIDE DRIVE ASSEMBLY       1         MOUNTING STRAP       2         DN ASSEMBLY, SIDE DRIVE (10KW)       1         SIDE DRIVE ASSEMBLY       1         RONT COIL/EMITTER ASSY.       1         STANDOFF, SOURCE       4         OM       Image Reserve         EB SOURCE SUB ASSEMBLY, SD, 10kW       1         B SCALE 1:4       DWG NO.         295-0133-3       A 1 <td></td> <td></td> <td></td> <td></td> <td>2</td>					2
RING, VITON, TUBE OD 3/8"       2         RING, VITON, TUBE OD 1/2"       2         O SCREW, #8-32 X 1/2" SST SHCS       4         O SCREW, #10-32 X 3/8" SST SHCS       4         ED SCREW, #10-32 X 1/2" SHCS       2         O SCREW, #10-32 X 7/8" SST SHCS       4         O SCREW, 1/4-20 X 3/8" SST SHCS       4         O SCREW, 1/4-20 X 1/2" SST SHCS       4         O SCREW, 1/4-20 X 1/2" SST SHCS       4         N ASSEMBLY, SIDE DRIVE (10KW)       1         BASE PLATE       1         MOUNTING STRAP       2         ON ASSEMBLY, SIDE DRIVE (10KW)       1         SIDE DRIVE ASSEMBLY       1         RONT COIL/EMITTER ASSY.       1         STANDOFF, SOURCE       4         OM       Image Note Stand Sta					1
RING, VITON, TUBE OD 1/2"       2         O SCREW, #8-32 X 1/2" SST SHCS       4         O SCREW, #10-32 X 3/8" SST SHCS       4         ED SCREW, #10-32 X 1/2" SHCS       2         O SCREW, #10-32 X 7/8" SST SHCS       4         O SCREW, #10-32 X 7/8" SST SHCS       4         O SCREW, 1/4-20 X 3/8" SST SHCS       4         O SCREW, 1/4-20 X 3/8" SST SHCS       4         O SCREW, 1/4-20 X 1/2" SST SHCS       4         O SCREW, 1/4-20 X 1/2" SST SHCS       4         N SCREW, 1/4-20 X 1/2" SST SHCS       4         RACKET, EMITTER MOUNT       1         BASE PLATE       1         MOUNTING STRAP       2         DN ASSEMBLY, SIDE DRIVE (10KW)       1         SIDE DRIVE ASSEMBLY       1         RONT COIL/EMITTER ASSY.       1         STANDOFF, SOURCE       4         OM       Imufacture, STANDOFF       4					
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ED SCREW, #10-32 X 1/2" SHCS 2 SCREW, #10-32 X 7/8" SST SHCS 4 SCREW, 1/4-20 X 3/8" SST SHCS 4 SCREW, 1/4-20 X 1/2" SST SHCS 4 RACKET, EMITTER MOUNT 1 BASE PLATE 1 MOUNTING STRAP 2 DN ASSEMBLY, SIDE DRIVE (10KW) 1 SIDE DRIVE ASSEMBLY 1 RONT COIL/EMITTER ASSY. 1 STANDOFF, SOURCE 4 COVER, STANDOFF 4 OM EB SOURCE SUB ASSEMBLY, SD, 10kW en consent ionuffacture, B SCALE 1:4 DWG NO. 295-0133-3 A1					
A SCREW, #10-32 X 7/8" SST SHCS A SCREW, 1/4-20 X 3/8" SST SHCS A SCREW, 1/4-20 X 1/2" SST SHCS A RACKET, EMITTER MOUNT BASE PLATE MOUNTING STRAP 2 N ASSEMBLY, SIDE DRIVE (10KW) SIDE DRIVE ASSEMBLY SIDE DRIVE ASSEMBLY RONT COIL/EMITTER ASSY. 1 STANDOFF, SOURCE COVER, STANDOFF A COVER, STANDOFF A B SCALE 1:4 DWG NO. 295-0133-3 A A					
O SCREW, 1/4-20 X 3/8" SST SHCS       4         O SCREW, 1/4-20 X 1/2" SST SHCS       4         O SCREW, 1/4-20 X 1/2" SST SHCS       4         RACKET, EMITTER MOUNT       1         BASE PLATE       1         MOUNTING STRAP       2         DN ASSEMBLY, SIDE DRIVE (10KW)       1         SIDE DRIVE ASSEMBLY       1         RONT COIL/EMITTER ASSY.       1         STANDOFF, SOURCE       4         OM       Image: Cover, Standoff         EB SOURCE SUB ASSEMBLY, SD, 10kW       1         en consent ion uffacture, in the for t					
ACKET, EMITTER MOUNT       A     RACKET, EMITTER MOUNT     1       BASE PLATE     1       MOUNTING STRAP     2       DN ASSEMBLY, SIDE DRIVE (10KW)     1       SIDE DRIVE ASSEMBLY     1       RONT COIL/EMITTER ASSY.     1       STANDOFF, SOURCE     4       OM     Image: Cover, Standoff       EB SOURCE SUB ASSEMBLY, SD, 10kW					
RACKET, EMITTER MOUNT       1         BASE PLATE       1         MOUNTING STRAP       2         DN ASSEMBLY, SIDE DRIVE (10KW)       1         SIDE DRIVE ASSEMBLY       1         RONT COIL/EMITTER ASSY.       1         STANDOFF, SOURCE       4         OM       Image: Cover, Standoff         EB SOURCE SUB ASSEMBLY, SD, 10kW         En consent ionufacture,	$\sim 3 < (1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4 - 1/4$	20 X 1/2"	ST SHCS		
BASE PLATE       1         MOUNTING STRAP       2         DN ASSEMBLY, SIDE DRIVE (10KW)       1         SIDE DRIVE ASSEMBLY       1         RONT COIL/EMITTER ASSY.       1         STANDOFF, SOURCE       4         COVER, STANDOFF       4         OM       Image: Consent ionufacture, scale       1:4         B       SCALE       1:4         DWG NO.       295-0133-3       REV					
MOUNTING STRAP       2         DN ASSEMBLY, SIDE DRIVE (10KW)       1         SIDE DRIVE ASSEMBLY       1         RONT COIL/EMITTER ASSY.       1         STANDOFF, SOURCE       4         COVER, STANDOFF       4         OM       Image: Consent ionufacture, ionufa			11		
DN ASSEMBLY, SIDE DRIVE (10KW)       1         SIDE DRIVE ASSEMBLY       1         RONT COIL/EMITTER ASSY.       1         STANDOFF, SOURCE       4         COVER, STANDOFF       4         OM       Image: Cover and the state of the s					
SIDE DRIVE ASSEMBLY       1         RONT COIL/EMITTER ASSY.       1         STANDOFF, SOURCE       4         COVER, STANDOFF       4         OM       Image: Consent ionufacture, ionufacture					
RONT COIL/EMITTER ASSY. 1 STANDOFF, SOURCE 4 COVER, STANDOFF 4 OM			E (IUKVV)		
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OM       TELEMARK       telemark.com         EB SOURCE SUB ASSEMBLY, SD, 10kW       EV       Rev         Innufacture, Ionufacture, Ionufacture, Ionufacture,       B       SCALE       1:4       DWG NO. 295-0133-3       Rev					
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scale 1:4 DWG NO. 295-0133-3 A 1	ом	LEMAR	<b>K</b> telemo	ark.coi	m
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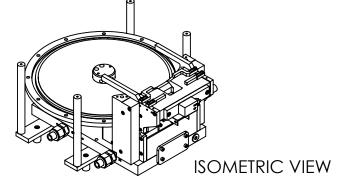


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DESCRIPTION	BY	DA	<b>\TE</b>
OR PRODUCTION	PWF		/2013
	GPD	12/9	/2014
ISOMETRIC VIEW			
DESCRIPTION			QTY.
, SAE/MS CONNECTOR (3/4 SAE)	/8_\/(	$\sim$	2
ATER FITTING PLUG, 9/16-18		201	2
ATER FITTING, GLAND, VCO			2
WATER FITTING, F NUT, VCO			2
RING, VITON, ID 7/16", W 3/32"			2
D-RING, VITON, ID 2", W 1/8"			1
D-RING, VITON, TUBE OD 3/8"			2
D-RING, VITON, TUBE OD 1/2"			2
D SCREW, #8-32 X 1/2" SST SHCS			 
D SCREW, #10-32 X 3/8" SST SHCS	)		4
ED SCREW, #10-32 X 1/2" SHCS			2
D SCREW, #10-32 X 7/8" SST SHCS			4
D SCREW, 1/4-20 X 3/8" SST SHCS			4
<u>D SCREW, 1/4-20 X 1/2" SST SHCS</u>			4
BRACKET, EMITTER MOUNT			1
BASE PLATE			1
MOUNTING STRAP			2
ON ASSEMBLY, SIDE DRIVE (15kW	)		1
SIDE DRIVE ASSEMBLY			1
FRONT COIL/EMITTER ASSY.			1
STANDOFF, SOURCE			4
COVER, STANDOFF			4
OM <b>TELEMARK</b> telemo	ark.co	m	<u> </u>
EB SOURCE SUB A	SSE	MB	SLY,

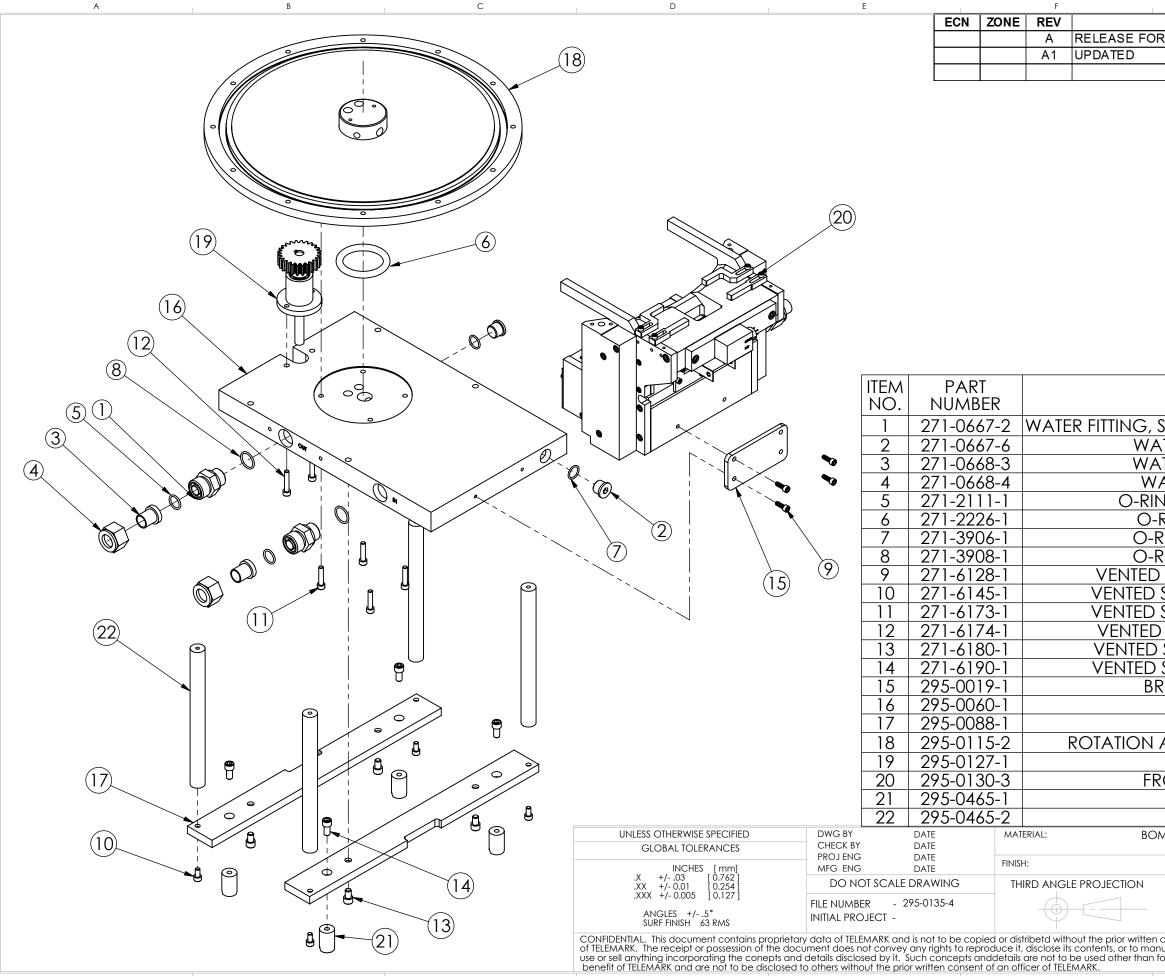
EB SOURCE SUB ASSEMBLY SD, 15kW B SCALE 1:4 DWG NO. 295-0133-4 A1

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		8	271-3708-1		O-RIN
		9	271-6128-1		VENTED SC
		10	271-6145-1		VENTED SC
		11	271-6173-1		VENTED SC
		12	271-6174-1		VENTED SC
		13	271-6180-1		VENTED SC
		14	271-6190-1		VENTED SC
		15	295-0019-1		BRAG
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	UNLESS OTHERWISE SPECIFIED GLOBAL TOLERANCES	DWG BY CHECK BY	DATE	MATERIAL:	BOM
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		FILE NUMBER	- 295-0135-3		) [
	ANGLES +/5° SURF FINISH 63 RMS CONFIDENTIAL. This document contains proprieto of TELEMARK. The receipt or possession of the do use or sell anything incorporating the conepts an benefit of TELEMARK and are not to be disclosed	INITIAL PROJEC		Ľ Ť	/

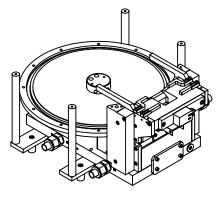
G	Н	
DESCRIPTION	BY	DATE
FOR PRODUCTION	PWF	8/22/2013
	GPD	12/9/2014



DES	SCRIPTION	QTY.				
ING, SAE/MS CONNECTOR (3/4 SAE/8-VCO)						
WATER FITTI	NG PLUG, 9/16-18	2				
WATER FIT	TING, F NUT, VCO	2				
	ITTING, GLAND	2				
O-RING, VITC	N, ID 7/16", W 3/32"	2				
O-RING, VI	TON, ID 2", W 1/8"	1				
O-RING, VI	ION, TUBE OD 3/8"	2				
O-RING, VI	ION, TUBE OD 1/2"	2				
NTED SCREW	, #8-32 X 1/2" SST SHCS	4				
	#10-32 X 3/8" SST SHCS	4				
	#10-32 X 7/8" SST SHCS	4				
	, #10-32 X 1" SST. SHCS	2				
	1/4-20 X 3/8" SST SHCS	4				
	1/4-20 X 1/2" SST SHCS	4				
	EMITTER MOUNT	1				
	SE PLATE	1				
	NTING STRAP	2				
	TION ASSEMBLY, BOTTOM DRIVE (10kW)					
	M DRIVE ASSY.	1				
	DIL/EMITTER ASSY.	1				
	OFF, SOURCE	4				
	R, STANDOFF	4				
BOM	TELEMARK telemark.com					
	EB SOURCE SUB ASSEM	BLY,				
prior written consent	BD, 10kW	REV				
other than for the	B SCALE 1:4 DWG NO. SHEET 1 of 1 295-0135-3	A1				



G	Н	
DESCRIPTION	BY	DATE
OR PRODUCTION	PWF	8/22/2013
	GPD	12/9/2014



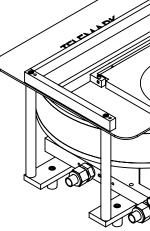
**ISOMETRIC VIEW** 

DESCRIPTION	QTY.
, SAE/MS CONNECTOR (3/4 SAE/8-VCO)	2
ATER FITTING PLUG, 9/16-18	2 2 2 2 2 2 1
ATER FITTING, GLAND, VCO	2
WATER FITTING, F NUT, VCO	2
RING, VITON, ID 7/16", W 3/32"	2
D-RING, VITON, ID 2", W 1/8"	
-RING, VITON, TUBE OD 3/8"	2 2
-RING, VITON, TUBE OD 1/2"	2
D SCREW, #8-32 X 1/2" SST SHCS	4
D SCREW, #10-32 X 3/8" SST SHCS	4
D SCREW, #10-32 X 7/8" SST SHCS	4
D SCREW, #10-32 X 1" SST. SHCS	24
D SCREW, 1/4-20 X 3/8" SST SHCS	
D SCREW, 1/4-20 X 1/2" SST SHCS	4
BRACKET, EMITTER MOUNT	1
BASE PLATE	1
MOUNTING STRAP	2
N ASSEMBLY, BOTTOM DRIVE (15kW)	1
BOTTOM DRIVE ASSY.	1
FRONT COIL/EMITTER ASSY.	1
STANDOFF, SOURCE	4
COVER, STANDOFF	4
BOM <b>TELEMARK</b> telemark com	
TELE////AKA telemark.com	
EB SOURCE SUB ASSEM	BLY,
BD, 15kW	•
en consent hanufacture, an for the B SCALE 1:4 DWG NO. SHEFT 1 of 1 DWG NO. 295-0135-4	REV
an for the <b>D</b> SHEET ] of ] <b>ZY3-UI35-4</b>	A1

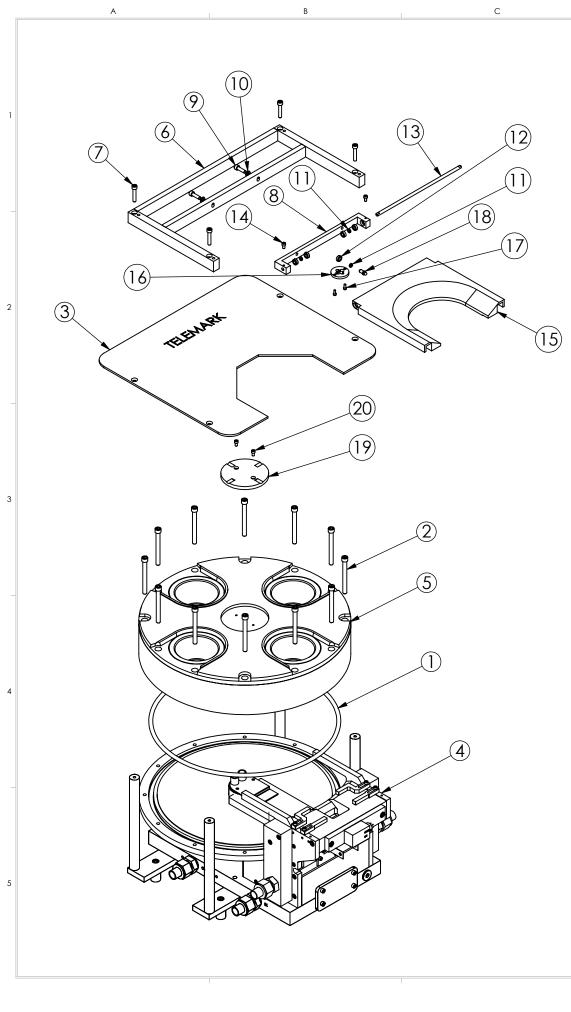


# Optional Assemblies Self Sealing Cover

N	ZONE	F REV		G	н ВҮ	DATE
>IN	ZONE	A	RELEASE		ВТ	1/5/2017
			escription			QTY.
			ON, ID 11-1/2", W			1
NTE			#1/4-20 X 2-1/2"			12
<u>~</u>			EAR, 6X100CC S			1
			ASSEMBLY, BD, 1			1
			100CC BRAZEME			1
			RAME, SELF SEAL			1
/EN			W, #10-32 X 1" SS	. SHCS		4
			G BRACKET, SSC			1
-N			/, #10-32 X 5/8" S	ST. SHCS		2
	FL		ASHER, #10 SST.			2
			PACER .063			3
8/8	" O.D.			CK, SHIELDED, SST		5
			ver rod, SSC			1
SC			2 UNC X 1/4" SST,	SHCS		2
	С		BLE COVER, SSC			1
			RING HOLDER			1
ITE	DSCR		#4-40 UNC X 1/4	SST SHCS		2
		BEA	ARING SHAFT			1
		4 P	OCKET CAM			1
EN	red so	CREW	/, #6-32 UNC X 1/	4" SHCS		2
017	MATER FINISH:			TELEMARK	Battle Ground	d, WA
	THIR		E PROJECTION	<b>MODEL 295</b> -	78 EB SOU	RCE.
C				4 pkt, 100cc		
o repr ots ar	oduce it, c	lisclose its re not to b	out the prior written consent contents, or to manufacture, be used other than for the MARK.	$\mathbf{B} \xrightarrow{\text{SCALE 1:4}}_{\text{SHEET 1 of 1}} \mathbf{B}$	95-9978-1SS	C A



	D	E E ECN	ZONE REV		G	н ВҮ	DATE
			A	RELEASE			1/5/2017
TEM NO.	PART NUMBER		D	ESCRIPTION			QTY.
1	271-2452-1	0	-RING, VIT	ON, ID 11-1/2", W	1/4"		1
2	271-6193-1	VENTED SCREW, #1/4-20 X 2-1/2" SST SHCS					12
3	295-0070-6	COVER, REAR, 6X100CC SSC					1
4	295-0135-7	EB SOURCE SUB ASSEMBLY, BD, 15KW, SSC					1
5	295-0251-6	CRUCIBLE, 4x 100CC BRAZEMENT, SSC				1	
6	295-0600-1	ASSEMBLY, WELD, FRAME, SELF SEALING COVER					1
7	271-6174-1	VEN	ITED SCREV	V, #10-32 X 1" SS	f. Shcs		4
8	295-0603-6		SWINC	g bracket, ssc			1
9	271-6170-1	VENT	ed screw	, #10-32 X 5/8" S	ST. SHCS		2
10	271-6245-1		FLAT W	ASHER, #10 SST.			2
11	528-0068-1		SI	PACER .063			3
12	528-0069-1	BEARING, 3/8	' O.D. X 3/	16" I.D. X 1/8" THI	CK, SHIELDED, SST		5
13	295-0604-6		CO	/er rod, ssc			1
14	271-6030-9	SC	REW, #6-3	2 UNC X 1/4" SST,	SHCS		2
15	295-0075-6		CRUCI	BLE COVER, SSC			1
16	271-0039-1		BEA	RING HOLDER			1
17	271-5999-1	VENTE	D SCREW,	#4-40 UNC X 1/4'	' SST SHCS		2
18	568-0158-1		BEA	RING SHAFT			1
19	295-0605-4		4 P	OCKET CAM			1
20	271-6030-1	VENT	ED SCREW	, #6-32 UNC X 1/	'4'' SHCS		2
	UNLESS OTHERWISE SPECIFIED GLOBAL TOLERANCES	DWG BY G. DION DATE 1-5-2017 CHECK BY DATE PROJ ENG DATE	MATERIAL:		TELEMARK Ba	ittle Grour	nd, WA
	INCHES [mm] .X +/03 [0.762] .XX +/- 0.01 [0.254]	MFG ENG DATE DO NOT SCALE DRAWING		PROJECTION			
	XXX +/- 0.005 [0.127] ANGLES +/5° SURF FINISH 63 RMS	FILE NUMBER - 295-9978-1SSC INITIAL PROJECT -			MODEL 295-78 4 pkt, 100cc B/D		
se or sel	I anything incorporating the coner	oprietary data of TELEMARK and is not to be copie he document does not convey any rights to repro pts and details disclosed by it. Such concepts and closed to others without the prior written consent of	ddetails are not to k	e used other than for the	B SCALE 1:4 DWG NO. SHEET 1 of 1 DWG NO.	978-15	SC A





# Optional Assemblies Arc Suppression

ANODE 291-3003-6 MOUNTS ON EMITTER BLOCK	
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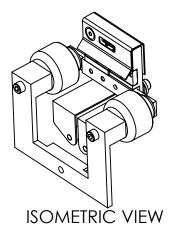
		F	G	Н	
ECN	ZONE	REV	DESCRIPTION	BY	DATE
		А	PRODUCTION RELEASE	D. LY	2/10/2002
		В	ECN#990383	D. LY	5/17/2004
		С	UPDATE	PWF	8/17/2010

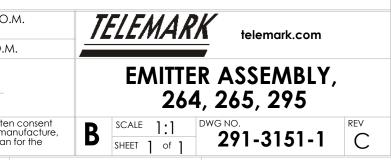
ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	3	271-6010-5	SCREW, #6-32 X 1/4" SLOT FLAT HEAD,TI
2	6	271-6050-5	SCREW, #6-32 X 3/8" SHCS, TI
3	2	271-6073-1	SOC. HEAD CAP SCREW, #6-32 X 7/8"
4	4	271-6242-1	FLAT WASHER, #6.SST.
5	1	273-0001-1	FILAMENT, 7 1/2 TURN
6	1	291-3004-1	BEAM FORMER
7	1	291-3005-1	INSULATOR, CROSS
8	2	291-3006-1	INSULATOR, COLLAR
9	1	291-3008-1	L INSULATOR
10	2	291-3010-1	HV INSULATOR
11	2	291-3011-1	HV SHIELD, ARC FREE
12	2	291-3013-1	HV SHIELD
13	1	291-3017-2	MOUNTING BRACKET
14	1	291-3018-5	EMITTER SUPPORT BRACKET
15	1	291-3031-1	CATHODE BLOCK, LEFT
16	1	291-3032-1	CATHODE BLOCK, RIGHT
17	1	291-3033-3	FILAMENT CLAMP, LEFT
18	1	291-3033-4	FILAMENT CLAMP, RIGHT
19	1	291-3035-5	EMITTER BUS BAR ASSY., LEFT (295)
20	1	291-3036-5	EMITTER BUS BAR ASSY., RIGHT (295)

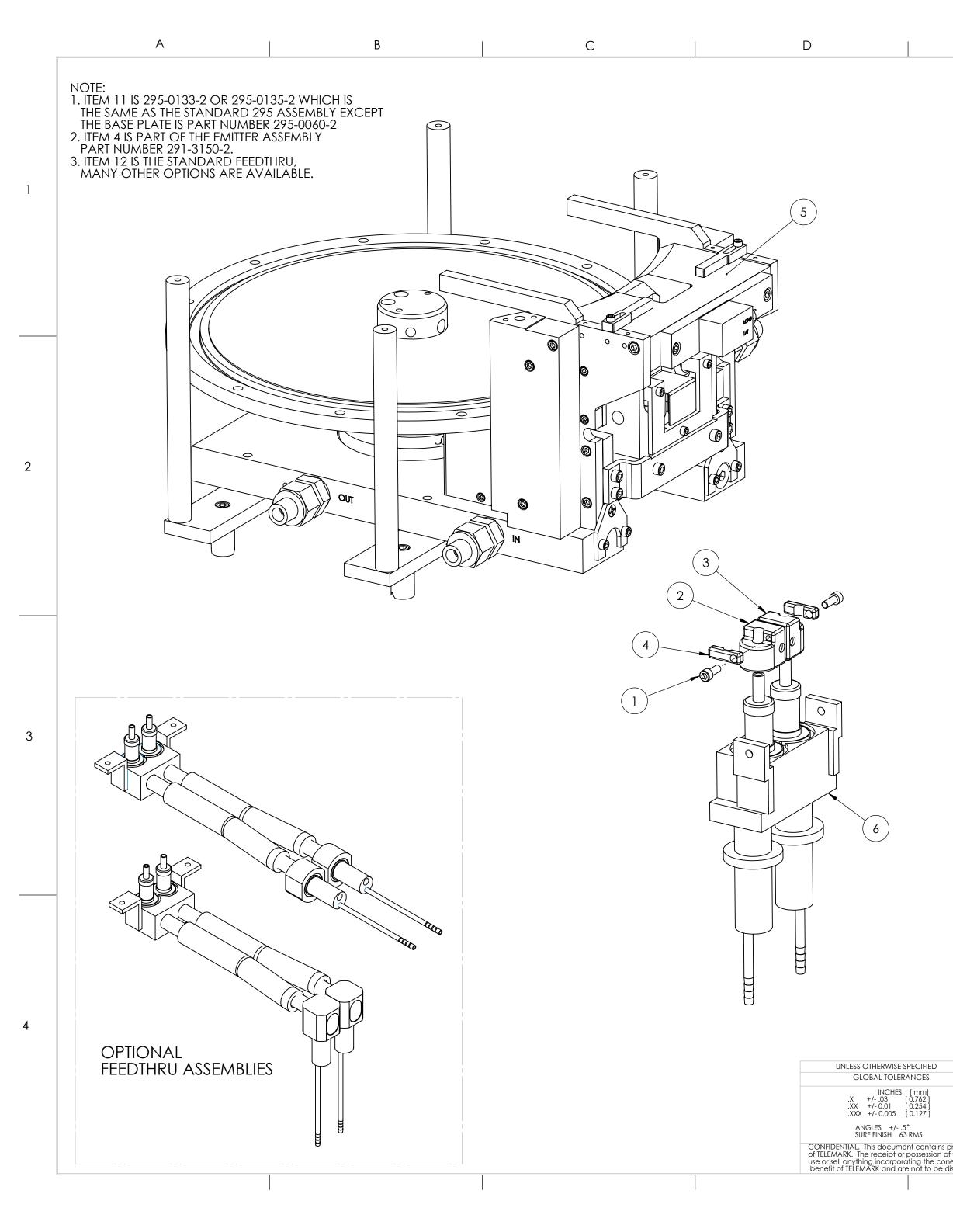
UNLESS OTHERWISE SPECIFIED		D. LY	DATE <b>2/10/02</b>	MATERIAL:	SEE B.O.
GLOBAL TOLERANCES	CHECK BY PROJ ENG		DATE		
INCHES [mm]	MFG ENG		DATE	FINISH:	B.O.N
.X +/03 [0.762] .XX +/- 0.01 [0.254]	DO NOT	SCALE	DRAWING	THIRD ANGL	E PROJECTION
.XXX +/- 0.005 [ 0.127 ] ANGLES +/5° SURF FINISH 63 RMS	FILE NUMBER INITIAL PROJE		291-3151-1		
	I I CTELELI	1.01/			

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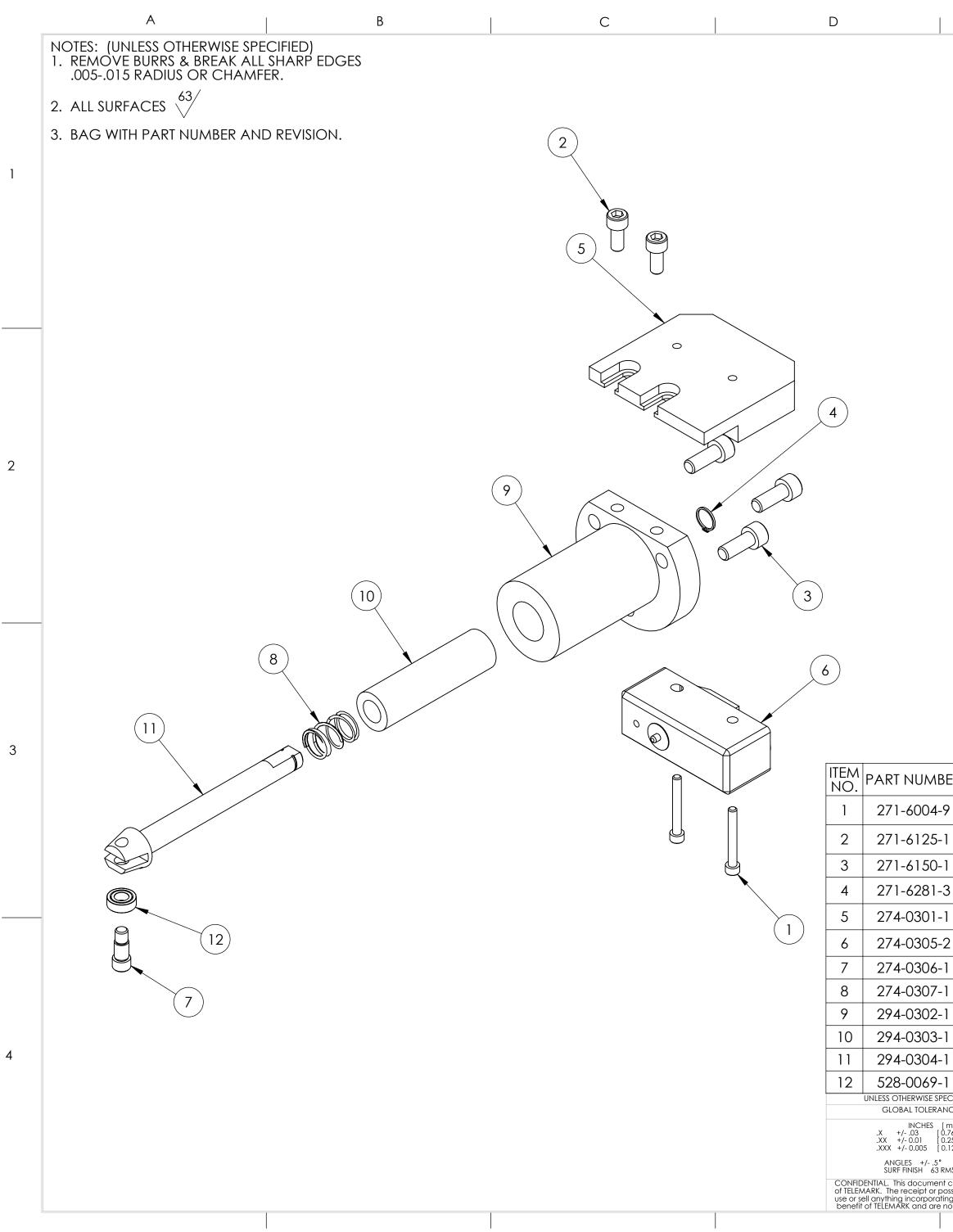
Е			F	G	
ECN	ZONE	REV	DESCRIPTION	BY	DATE
		Α	RELEASE	PWF	8/7/2012
		В	REVISED TO CORRECT DUPLICATION	GPD	10/28/2015

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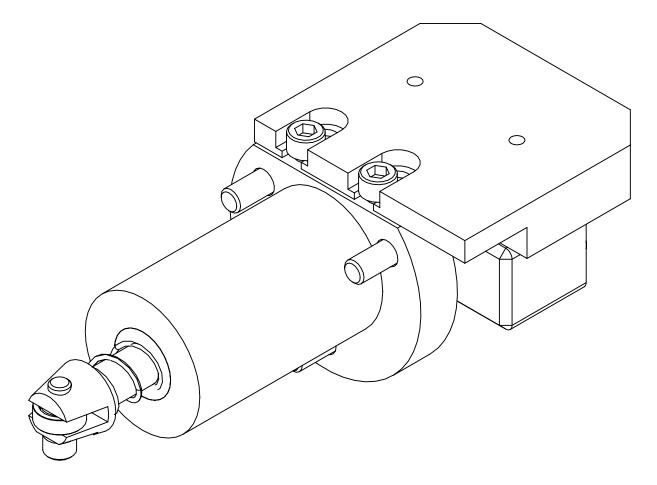
	ITEM NO. PART NUMBER		DESCRIPTION			
	1	271-6150-1	VENTED SCREW, #10-32 X 1/2" SHCS			
	2	291-5040-1	POWER	POWER BLOCK, L.H.		
	3	291-5041-1	POWER	BLOCK, R.H.	1	
	4 291-5042-1		POWER CLAMP			
	5 295-0135-5		EB SOURCE SUB ASSEMBLY, AS		1	
	6 295-5190-2		DUAL HV F/T ASSEMBLY, 295		1	
	DWG BY CHECK B PROJ EN MFG EN	G DATE	rr MATERIAL: SEE PARTS LIST FINISH:	TELEMARK telemark.cor	n	
	DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION	295 ARC SUPPRESSIO		
	FILE NUMBER - 295-5175-1 INITIAL PROJECT -			OPTION, 10kW		
roprietar the doc epts and isclosed t	ry data of T ument doe I details disc to others wi	ELEMARK and is not to be co s not convey any rights to rep closed by it. Such concepts of thout the prior written conser	pied or distribetd without the prior written consent produce it, disclose its contents, or to manufacture, anddetails are not to be used other than for the at of an officer of TELEMARK.	C SCALE 1:2 DWG NO. SHEET 1 of 1 295-5175-1	REV B	



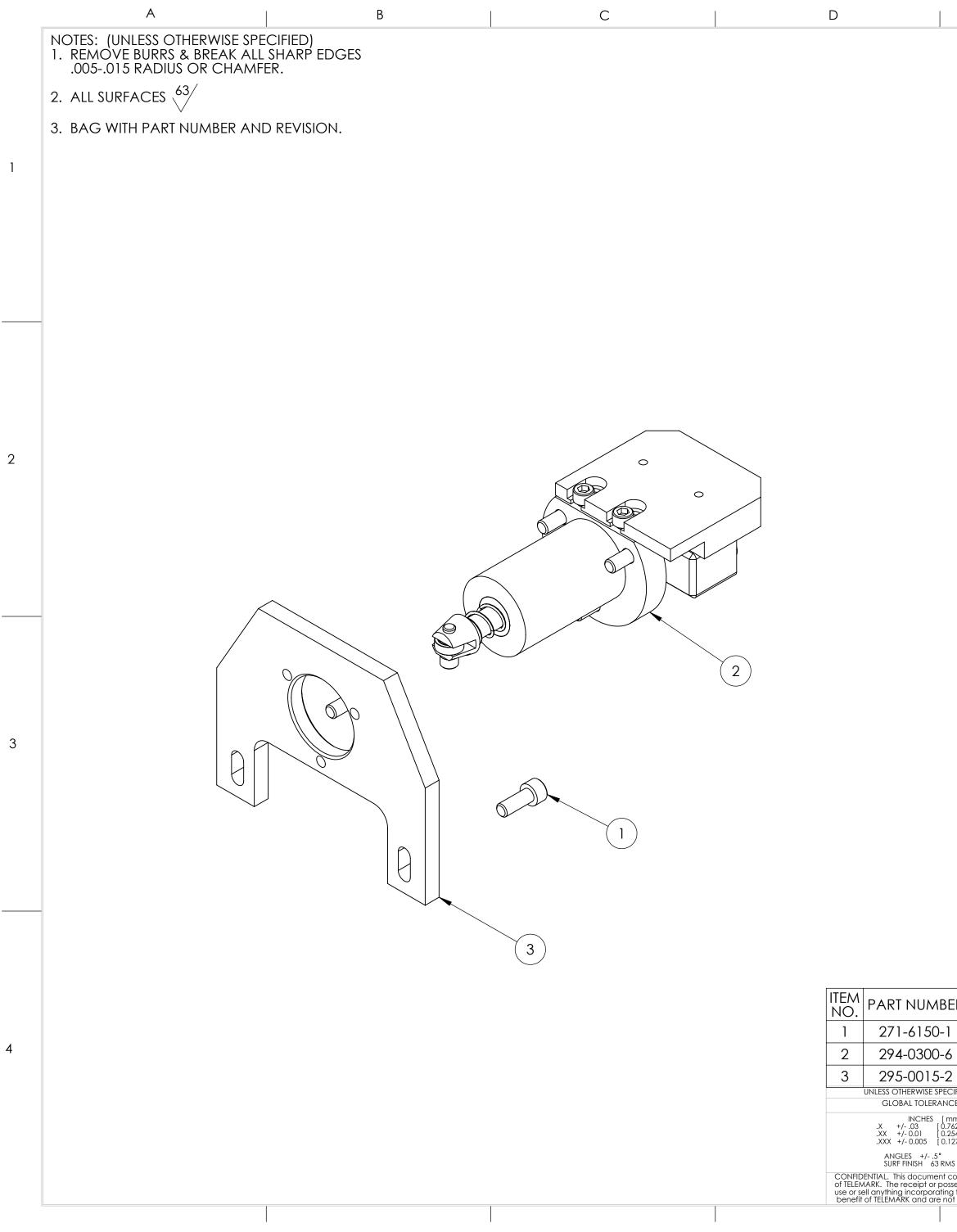
#### **Optional Assemblies** Indexer In-Vacuum In-Pocket Switch



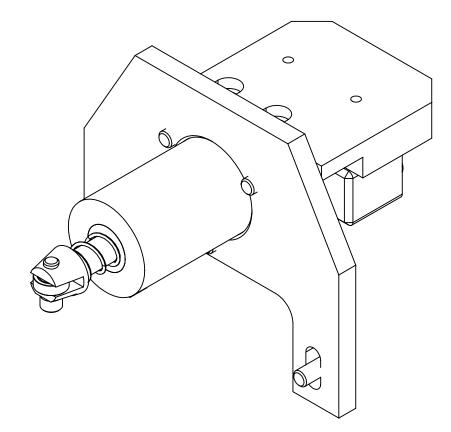
Е			F G		,		
	ECN	ZONE	REV	DESCRIPTIO	N	BY	DATE
		A RELEASE		GPD	3/13/2017		
	990824		A1	A1 REVISED 274-0301-1		GPD	4/16/2018



BER	DESCRIPTION						
-9	SCREW, CAP SOC HD, #4-40 UNC X 7/8" LONG, SST						
-1	VENTED	SCREW, #8-32 UNC X 3/8"	lg, SST, SHCS	2			
-1	VE	ENTED SCREW, #10-32 X 1/2	2" SHCS	3			
.3	RET	AINING RING, EXTERNAL, 5	5/16", SST	1			
.1	МО	UNTING BLOCK, CRUCIBLE	SENSOR	1			
-2	MICRO SWITCH, SPDT, PIN PLUNGER, MODIFIED						
-1	SHOULDER SCREW, MODIFIED						
.1	SPRING, COMPRESSION, .42 O.D. X .62 LONG X .038 WIRE DIAMETER						
-1	HOUSING, CRUCIBLE SENSOR						
.]		INSULATOR, CRUCIBLE SEN	ISOR	1			
1		SHAFT, CRUCIBLE SENSC	DR	1			
1	BEARING, 3/8	" O.D. X 3/16" I.D. X 1/8" TH	IICK, SHIELDED, SST	1			
PECIFIED	DWG BY <b>G. DION</b> DATE <b>3-13-2017</b> CHECK BY DATE PROJ ENG DATE	MATERIAL: SEE PARTS LIST FINISH: SEE NOTES	TELEMARK Battle Grou	nd, WA			
[ mm] 0.762 ] 0.254 ] 0.127 ] RMS	MFG ENG DATE DO NOT SCALE DRAWING FILE NUMBER - 294-0300-1 INITIAL PROJECT -	THIRD ANGLE PROJECTION	ASSEMBLY, CRUCIBLE S MODEL 294	ENSOR,			
nt contains pro	oprietary data of TELEMARK and is not to be cop he document does not convey any rights to rep pts and details disclosed by it. Such concepts a closed to others without the prior written consent	ied or distribetd without the prior written consent roduce it, disclose its contents, or to manufacture, nddetails are not to be used other than for the tof an officer of TELEMARK.	C SCALE 1:1 DWG NO. SHEET 1 of 1 294-0300	-1 ^{REV}			



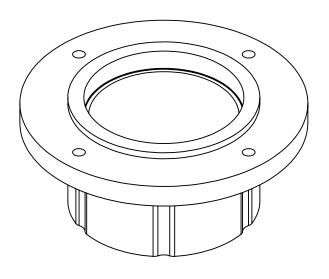
Е				F	G	,	
	ECN	ZONE	REV	DESCRIPTI	ON	BY	DATE
			A	RELEASE		GPD	1/23/2019



ER	R DESCRIPTION						
VENTED SCREW, #10-32 X 1/2" SHCS							
5	ASSEMBLY, CRUCIBLE SENSOR, MODEL 294						
2	MOUNT, POCKET SENSOR						
CIFIED DWG BY <b>G. DION</b> DATE <b>1-23-201</b> CES CHECK BY DATE PROJ ENG DATE nm] MFG ENG DATE		MATERIAL: SEE PARTS LIST FINISH:	TELEMARK Battle Ground		J, WA		
mm] 762 ] 254 ] 127 ] MS	DO NOT SCALE DRAWING FILE NUMBER - INITIAL PROJECT -	THIRD ANGLE PROJECTION	ASSEMBLY, C MO	RUCIBLE SEN DEL 295	SOR,		
ssession of th	prietary data of TELEMARK and is not to be copie le document does not convey any rights to repro its and details disclosed by it. Such concepts and losed to others without the prior written consent of	ed or distributed without the prior written consent oduce it, disclose its contents, or to manufacture, d details are not to be used other than for the of an officer of TELEMARK.	C SCALE 1:1 DW SHEET ] of ]	^{с NO.} 295-0300-1	REV		

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		F		G	1	н	
ECN	ZONE	REV		DESCR		BY	DATE
		А	RELEASE			GPD	4/9/2019
			•				



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#### ROTATION HUB SEE TABLE AND NOTE BELOW FOR CORRECT HUB FOR ASSEMBLY

NEW SOURCE OPTION P/N	UPGRADE KIT P/N	NUMBER OF POCKETS	HUB REQUIRED *
295-0300-4	295-0300-4-HP	4	295-0038-4
295-0300-6	295-0300-6-HP	6	295-0038-6
295-0300-7	295-0300-7-HP	TROUGH/PAN	295-0038-7

*NOTE: FOR ROTATION ASSEMBLY REFER TO DRAWING 295-0113-1, 295-0113-2, 295-0115-1 or 295-0115-2. CHANGE STANDARD HUB P/N 295-0038-1 WITH HUB REQUIRED ABOVE DEPENDING ON NUMBER OF POCKETS.

UNLESS OTHERWISE SPECIFIED	DWG BY G. DION DATE 4-9-2019	MATERIAL:
GLOBAL TOLERANCES	CHECK BY DATE PROJENG DATE	
INCHES [mm]	PROJENG DATE MFG ENG DATE	FINISH:
.X +/03 [0.762] .XX +/-0.01 [0.254]	DO NOT SCALE DRAWING	THIRD ANGLE PROJECTION
.XXX +/- 0.005 [0.127]	FILE NUMBER -	
ANGLES +/5° SURF FINISH 63 RMS	INITIAL PROJECT -	
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