

TELEMARK 264 Multi Pocket E-Beam Source Drawings

The current version of this drawing pdf can be found at

<https://telemark.com/electron-beam-sources/multi-pocket-sources/>

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Reference Dimensions

E-Beam Source

A

B

C

D

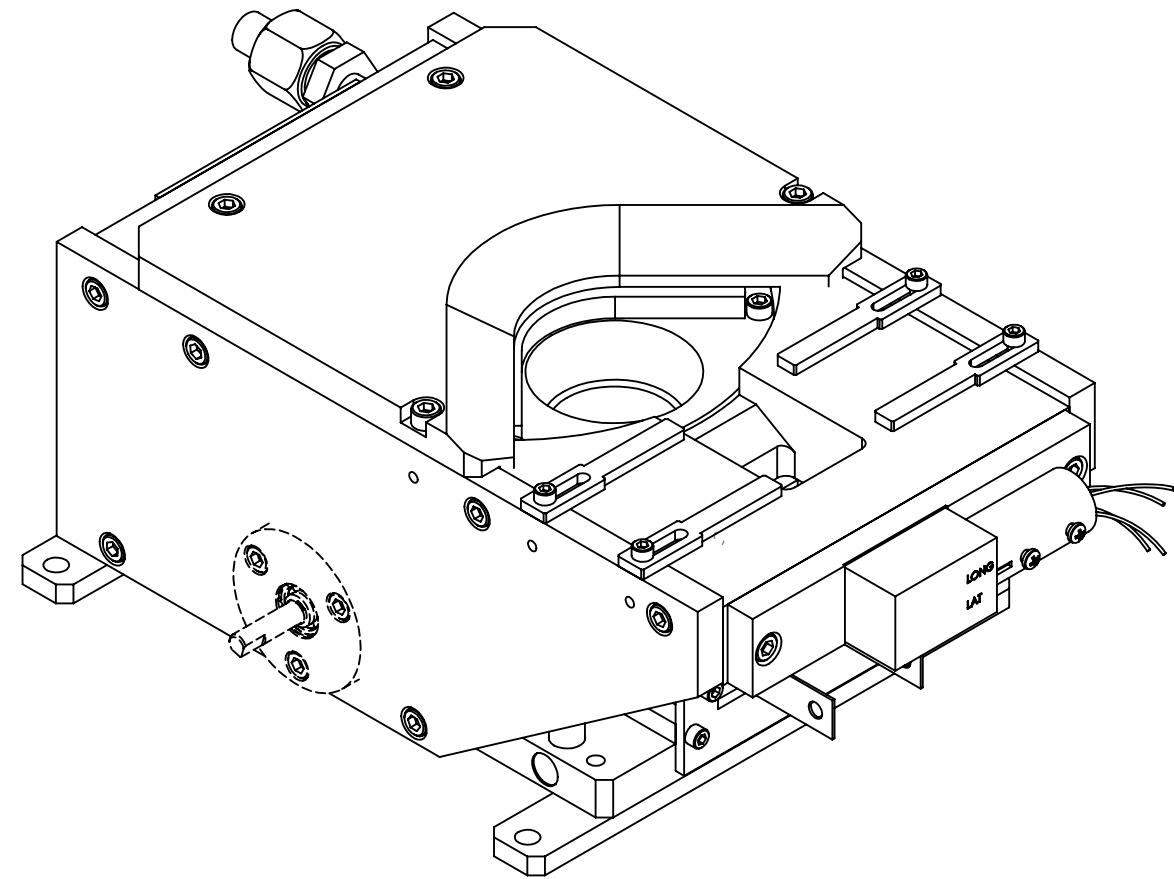
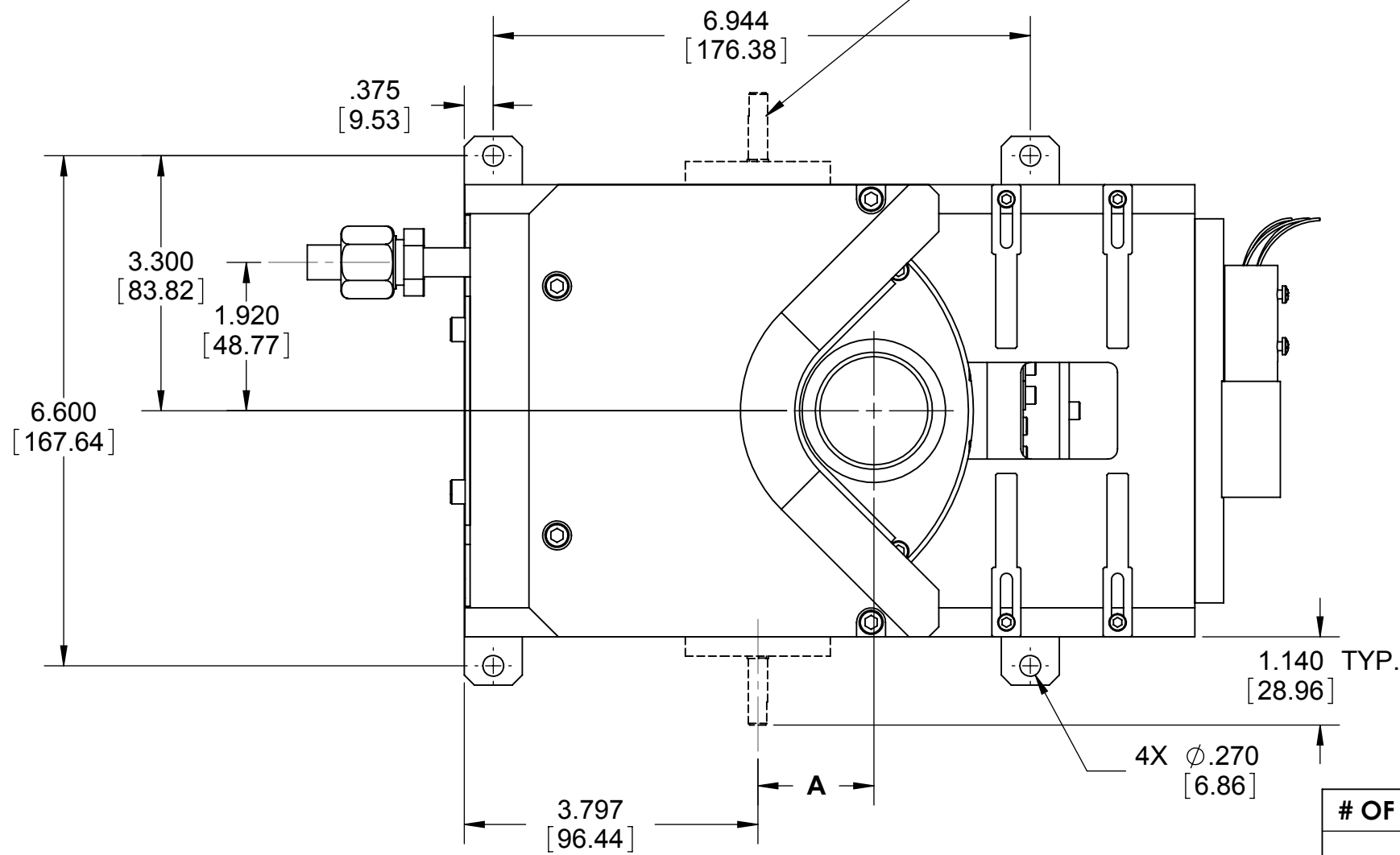
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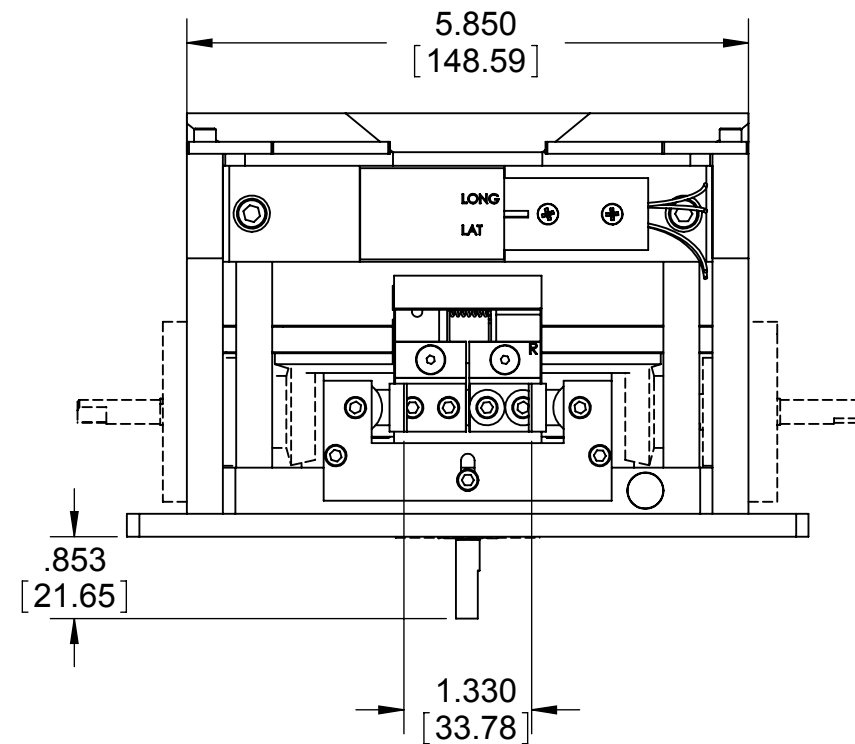
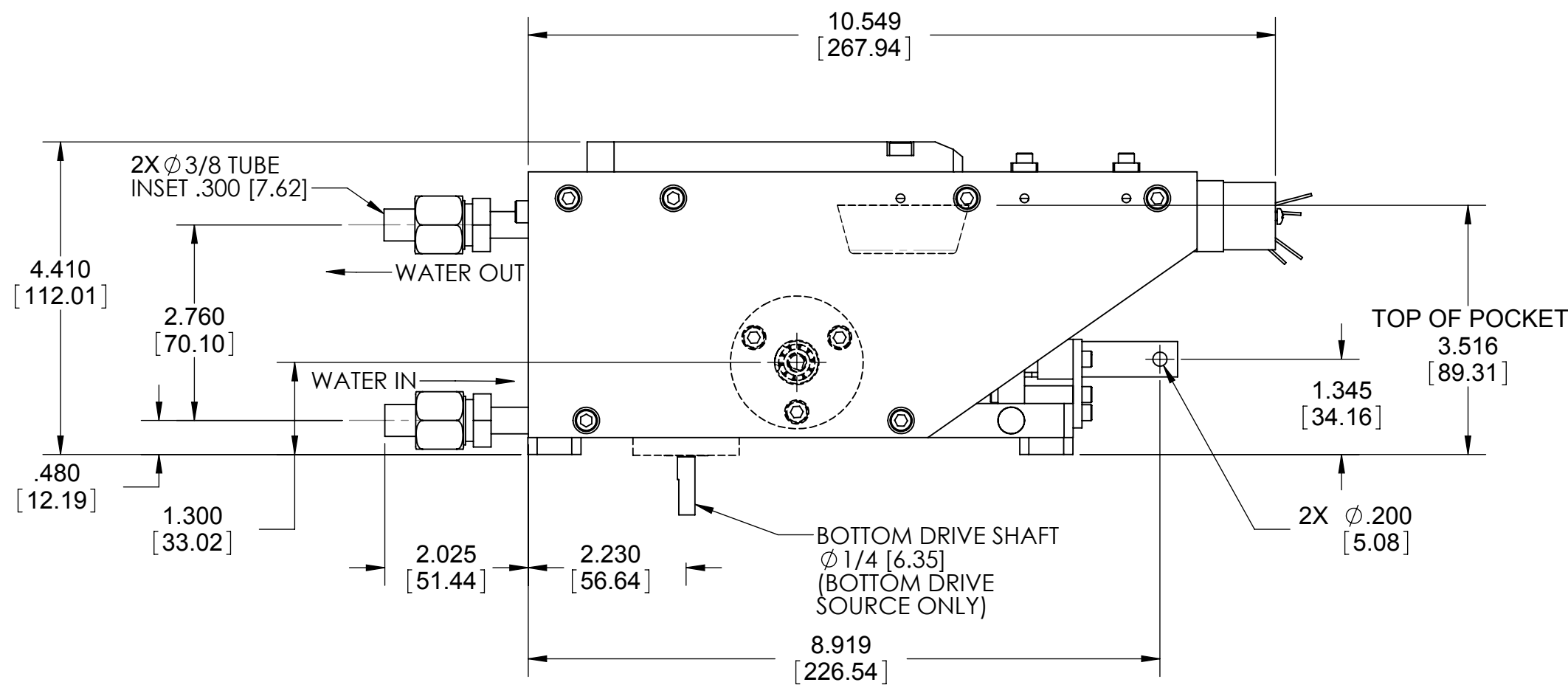
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ECN	ZONE	REV	DESCRIPTION	BY	DATE
		A	RELEASE	PWF	5/11/2010
		A1	UPDATE	PWF	5/2/2011

SIDE DRIVE SHAFT
CAN BE PLACED ON EITHER SIDE
OF THE SOURCE $\phi 1/4$ [6.35]
(SIDE DRIVE SOURCE ONLY)



# OF POCKETS	"A"
4	1.500 [38.10]
6	1.700 [43.18]
8	1.750 [44.45]



INCH [mm]

UNLESS OTHERWISE SPECIFIED GLOBAL TOLERANCES		DWG BY CHECK BY PROJ ENG MFG ENG	DATE mo/day/yr DATE DATE DATE	MATERIAL: FINISH:	TELEMARK telemark.com MODEL 264 EB SOURCE
INCHES [mm] X +/- .03 [0.762] .XX +/- .01 [0.254] .XXX +/- .005 [0.127] ANGLES +/- .5° SURF FINISH .63 RMS		DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION	
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					DWG NO. R264-0001 REV A1

A

B

C

D

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G

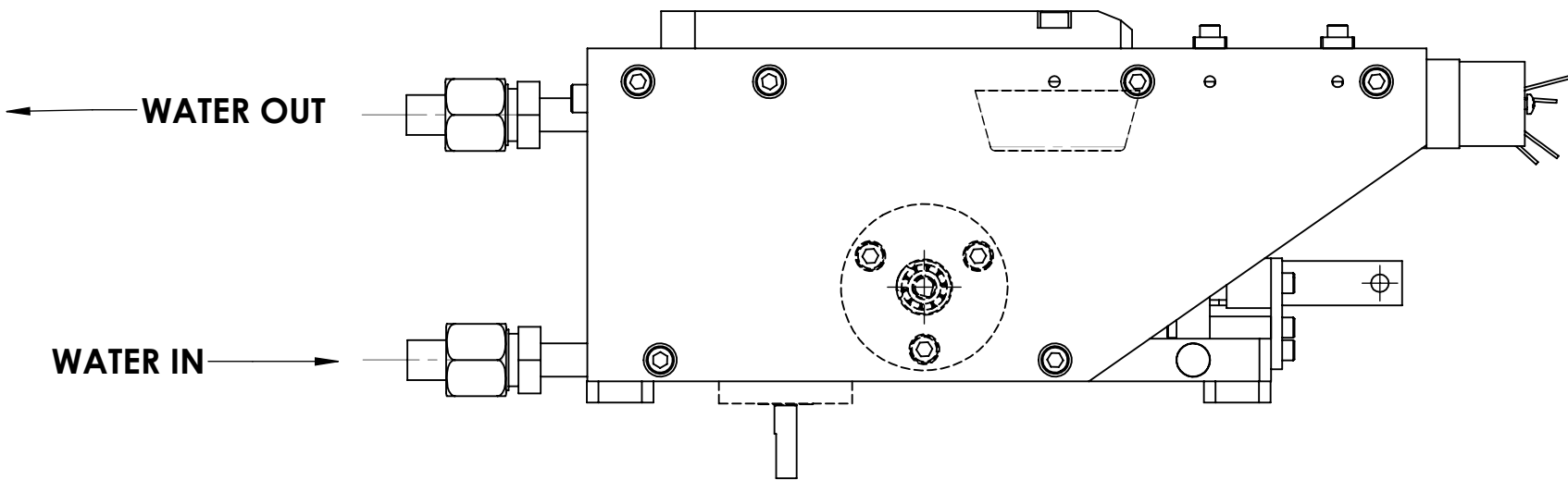
ECN	ZONE	REV	DESCRIPTION	BY	DATE
		A	RELEASE	PWF	5/11/2010
		A1	UPDATE	PWF	5/2/2011

1

2

MODEL 264
IMPORTANT WATER LINE CONNECTION INFORMATION

3



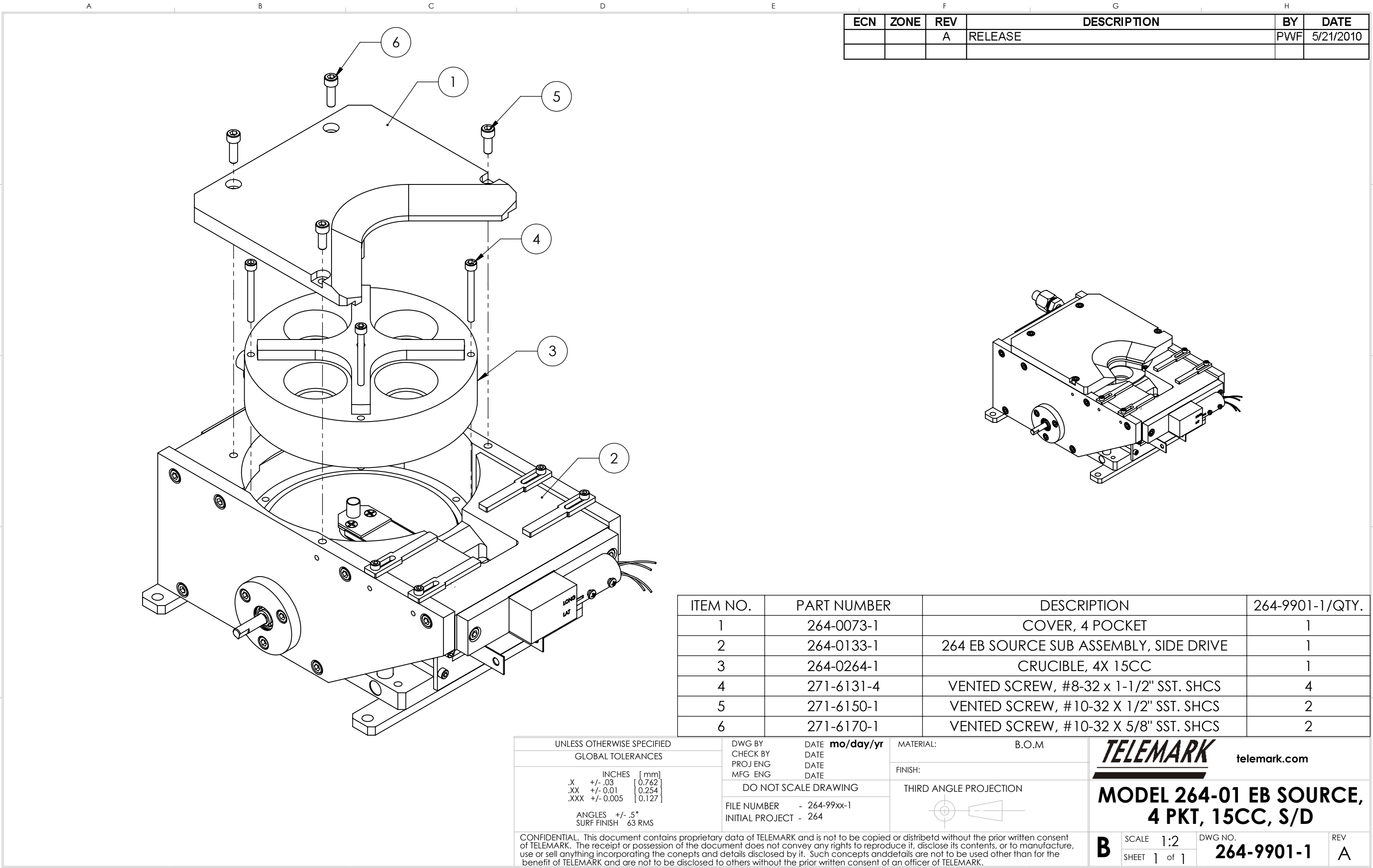
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UNLESS OTHERWISE SPECIFIED GLOBAL TOLERANCES		DWG BY CHECK BY PROJ ENG MFG ENG	DATE DATE DATE DATE	MATERIAL:	TELEMARK telemark.com
INCHES [mm] .X +/- .03 [0.762] .XX +/- 0.01 [0.254] .XXX +/- 0.005 [0.127] ANGLES +/- .5° SURF FINISH 63 RMS		DO NOT SCALE DRAWING		FINISH:	
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C		SCALE 1:2 SHEET 2 of 2		DWG NO. R264-0001	REV A1



Model Assemblies

E-Beam Sources



ECN	ZONE	REV	DESCRIPTION	BY	DATE
		A	RELEASE	PWF	5/21/2010

ITEM NO.	PART NUMBER	DESCRIPTION	264-9901-1/QTY.
1	264-0073-1	COVER, 4 POCKET	1
2	264-0133-1	264 EB SOURCE SUB ASSEMBLY, SIDE DRIVE	1
3	264-0264-1	CRUCIBLE, 4X 15CC	1
4	271-6131-4	VENTED SCREW, #8-32 x 1-1/2" SST. SHCS	4
5	271-6150-1	VENTED SCREW, #10-32 X 1/2" SST. SHCS	2
6	271-6170-1	VENTED SCREW, #10-32 X 5/8" SST. SHCS	2

UNLESS OTHERWISE SPECIFIED
GLOBAL TOLERANCES

	INCHES	[mm]
.X	+/- .03	[0.762]
.XX	+/- 0.01	[0.254]
.XXX	+/- 0.005	[0.127]

ANGLES +/- .5°
SURF FINISH 63 RMS

DWG BY
CHECK BY
PROJ ENG
MFG ENG

DATE
DATE
DATE
DATE

mo/day/yr

DO NOT SCALE DRAWING

FILE NUMBER - 264-99xx-1
INITIAL PROJECT - 264

MATERIAL: B.O.M

FINISH:

THIRD ANGLE PROJECTION

TELEMARK
telemark.com

**MODEL 264-01 EB SOURCE,
4 PKT, 15CC, S/D**

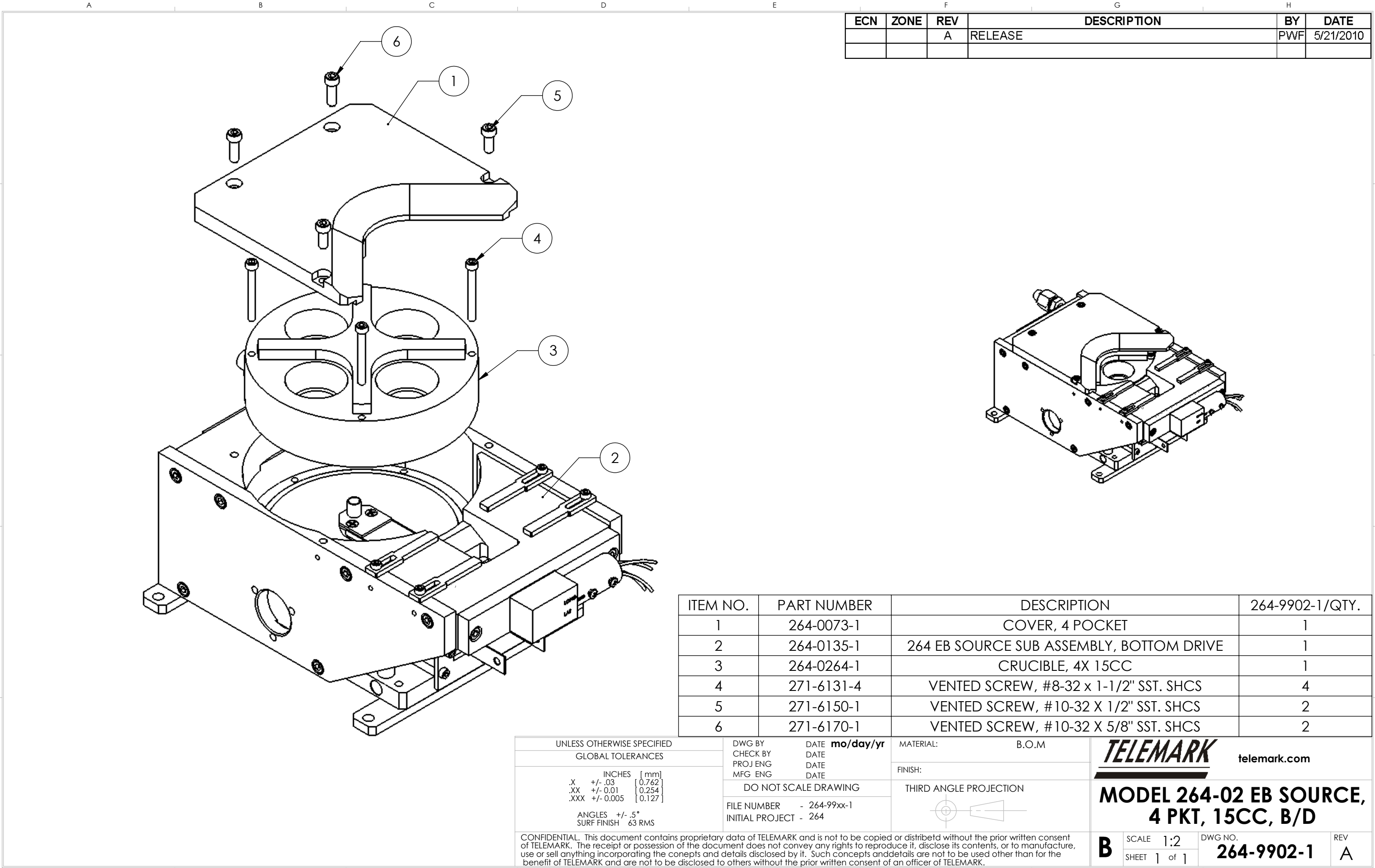
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SCALE 1:2
SHEET 1 of 1

DWG NO.
264-9901-1

REV
A

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ECN	ZONE	REV	DESCRIPTION	BY	DATE
		A	RELEASE	PWF	5/21/2010

ITEM NO.	PART NUMBER	DESCRIPTION	264-9902-1/QTY.
1	264-0073-1	COVER, 4 POCKET	1
2	264-0135-1	264 EB SOURCE SUB ASSEMBLY, BOTTOM DRIVE	1
3	264-0264-1	CRUCIBLE, 4X 15CC	1
4	271-6131-4	VENTED SCREW, #8-32 x 1-1/2" SST. SHCS	4
5	271-6150-1	VENTED SCREW, #10-32 X 1/2" SST. SHCS	2
6	271-6170-1	VENTED SCREW, #10-32 X 5/8" SST. SHCS	2

UNLESS OTHERWISE SPECIFIED
GLOBAL TOLERANCES

	INCHES	[mm]
.X	+/- .03	[0.762]
.XX	+/- 0.01	[0.254]
.XXX	+/- 0.005	[0.127]

ANGLES +/- .5°
SURF FINISH 63 RMS

DWG BY
CHECK BY
PROJ ENG
MFG ENG

DATE
DATE
DATE
DATE

mo/day/yr

DO NOT SCALE DRAWING

FILE NUMBER - 264-99xx-1
INITIAL PROJECT - 264

MATERIAL: B.O.M

FINISH:

THIRD ANGLE PROJECTION

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**MODEL 264-02 EB SOURCE,
4 PKT, 15CC, B/D**

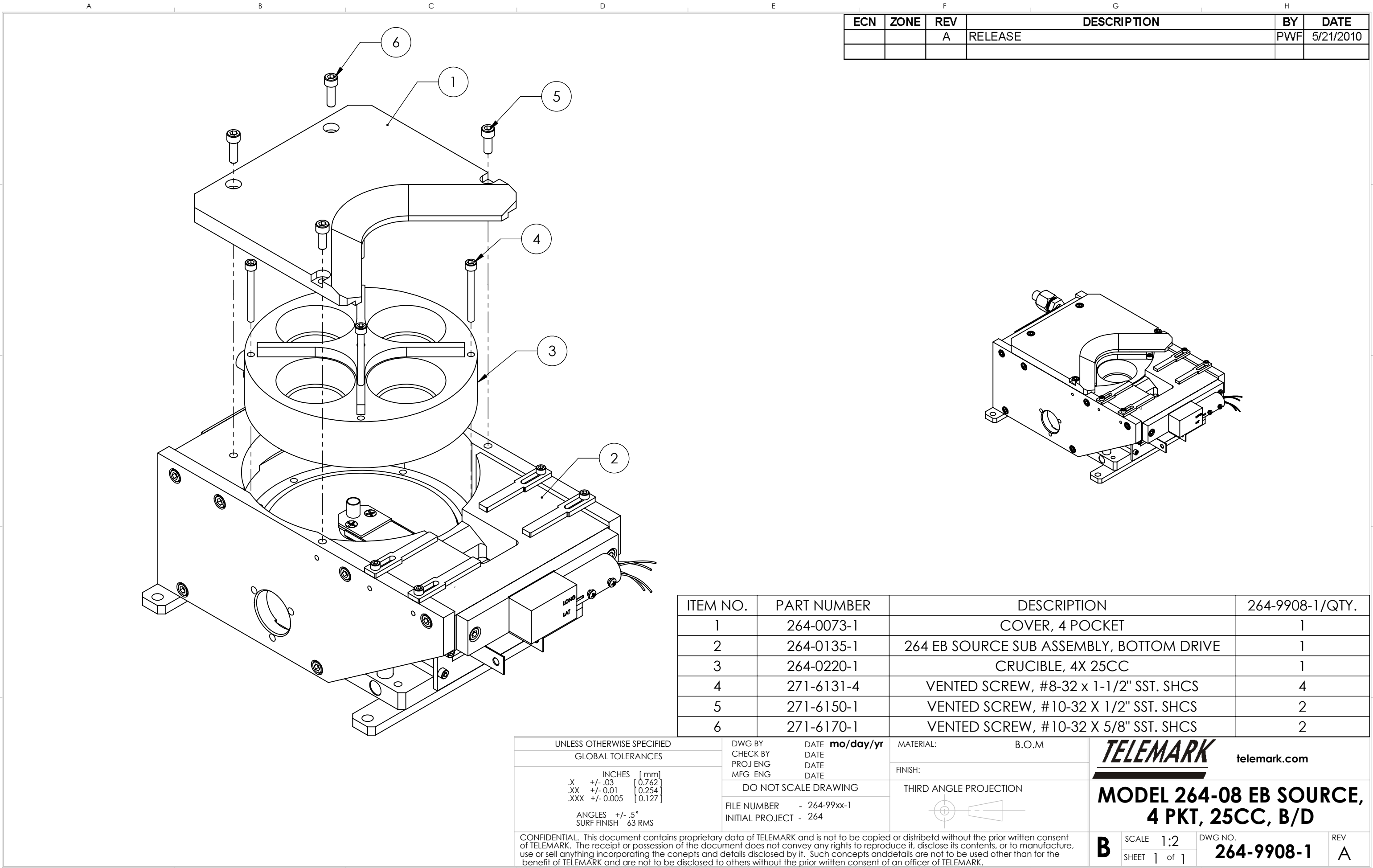
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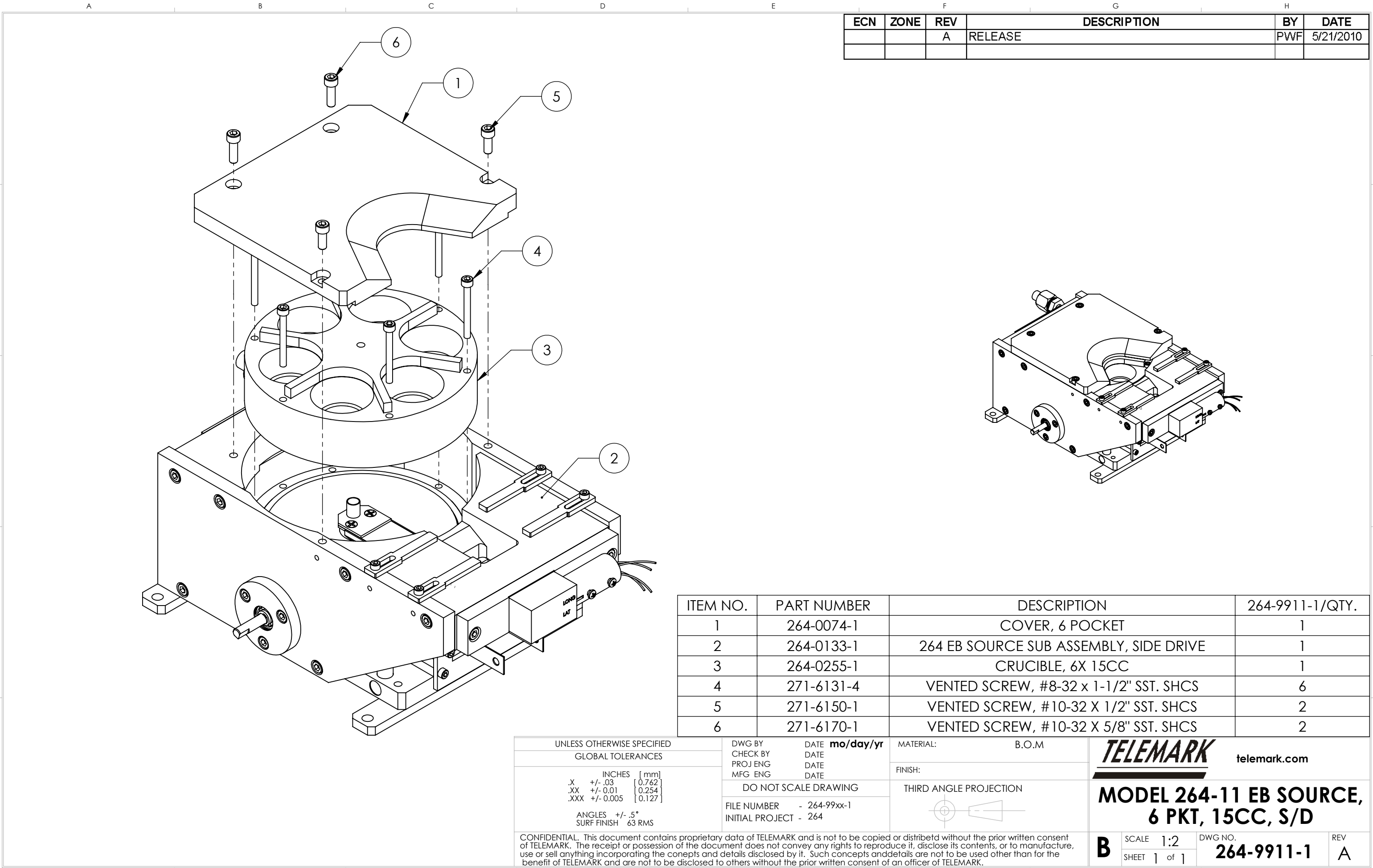
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SHEET 1 of 1

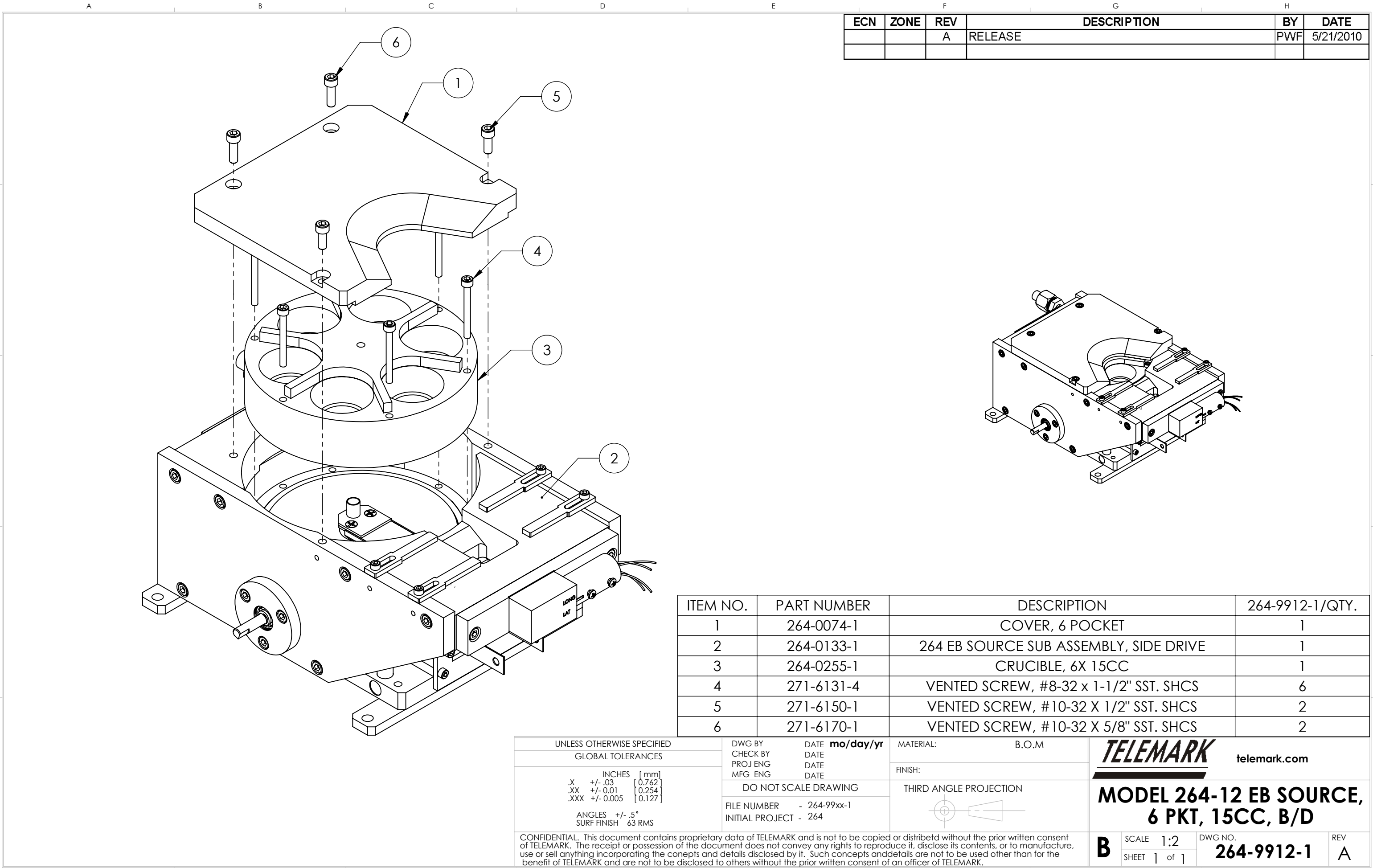
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264-9902-1

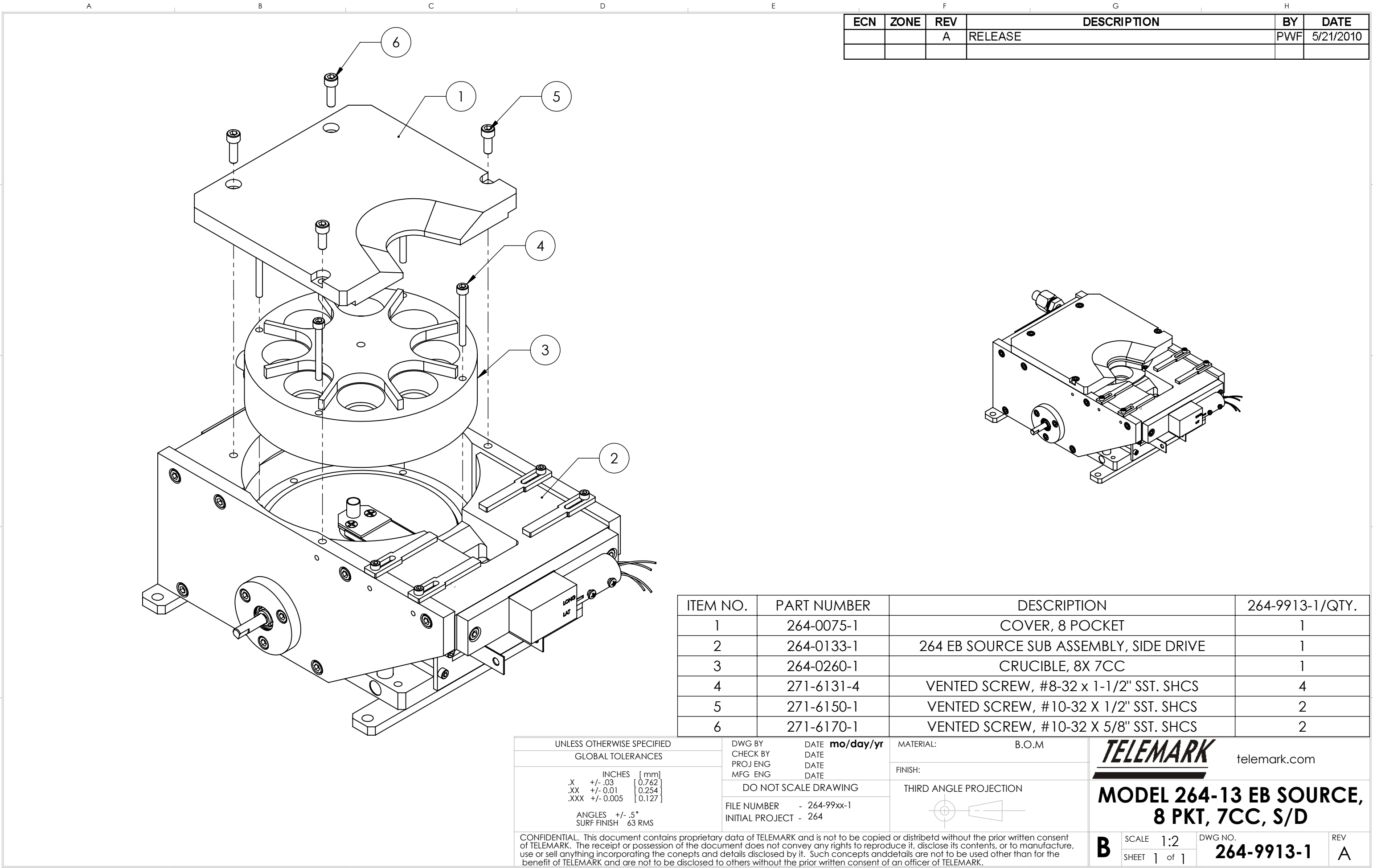
REV
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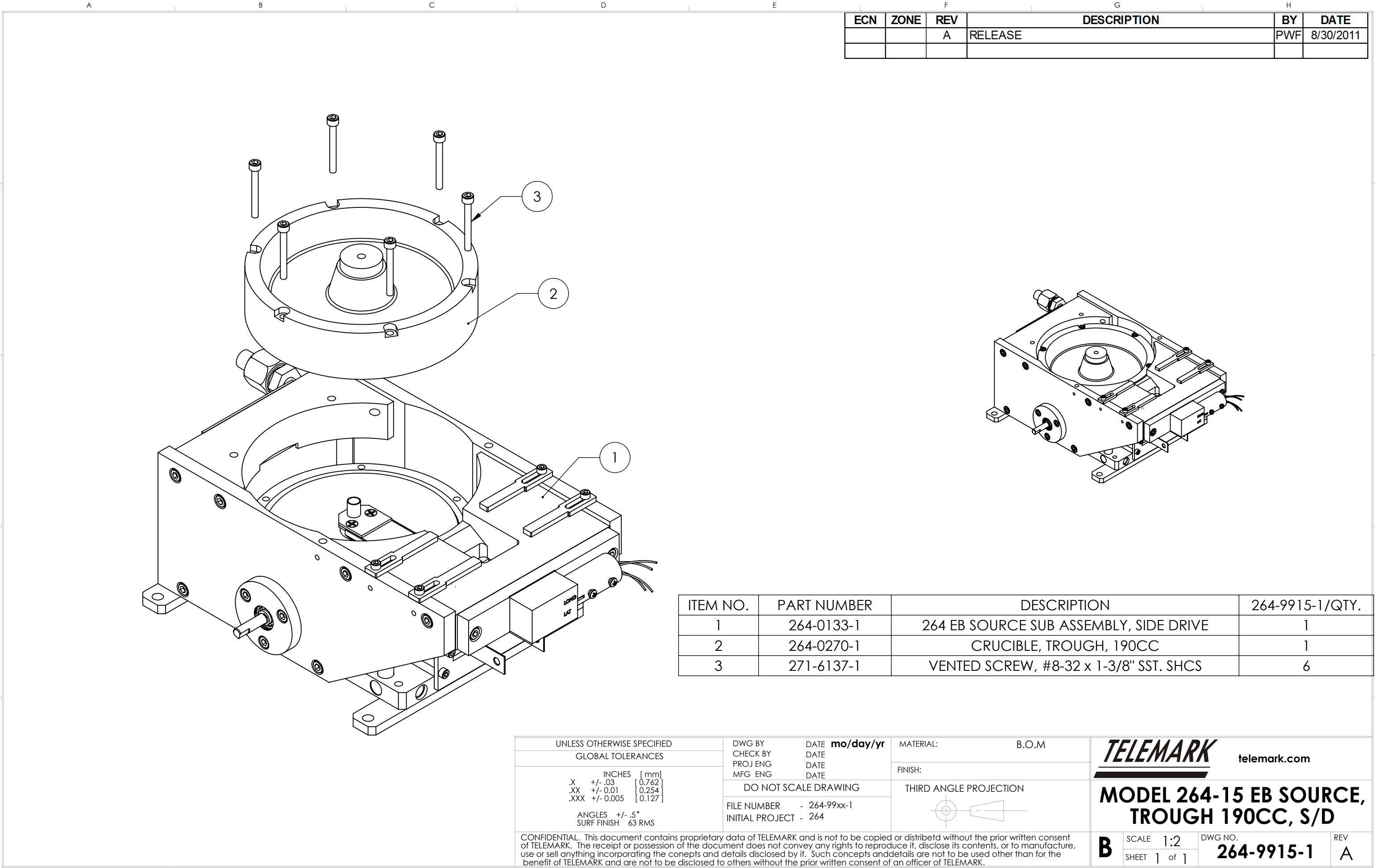
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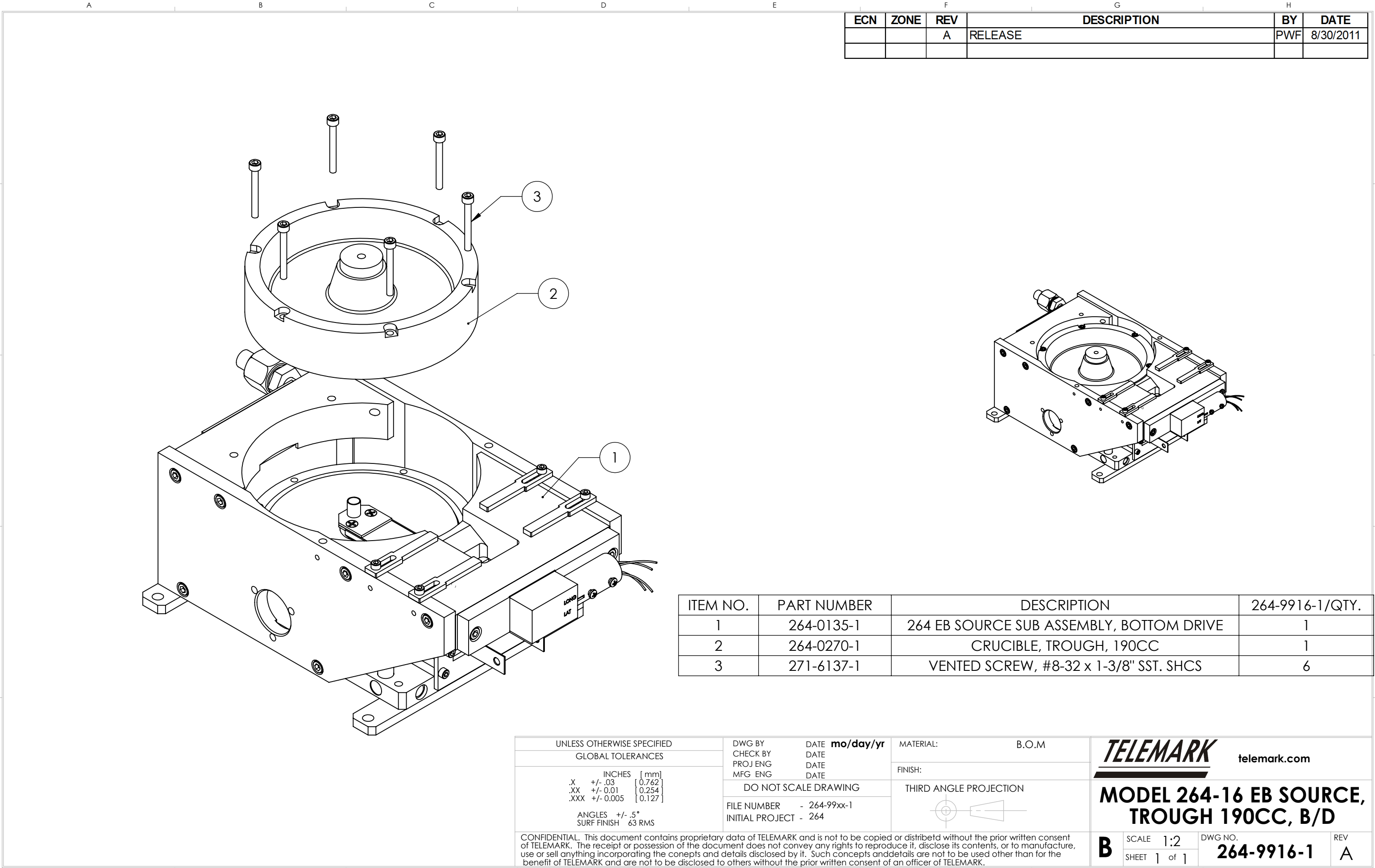


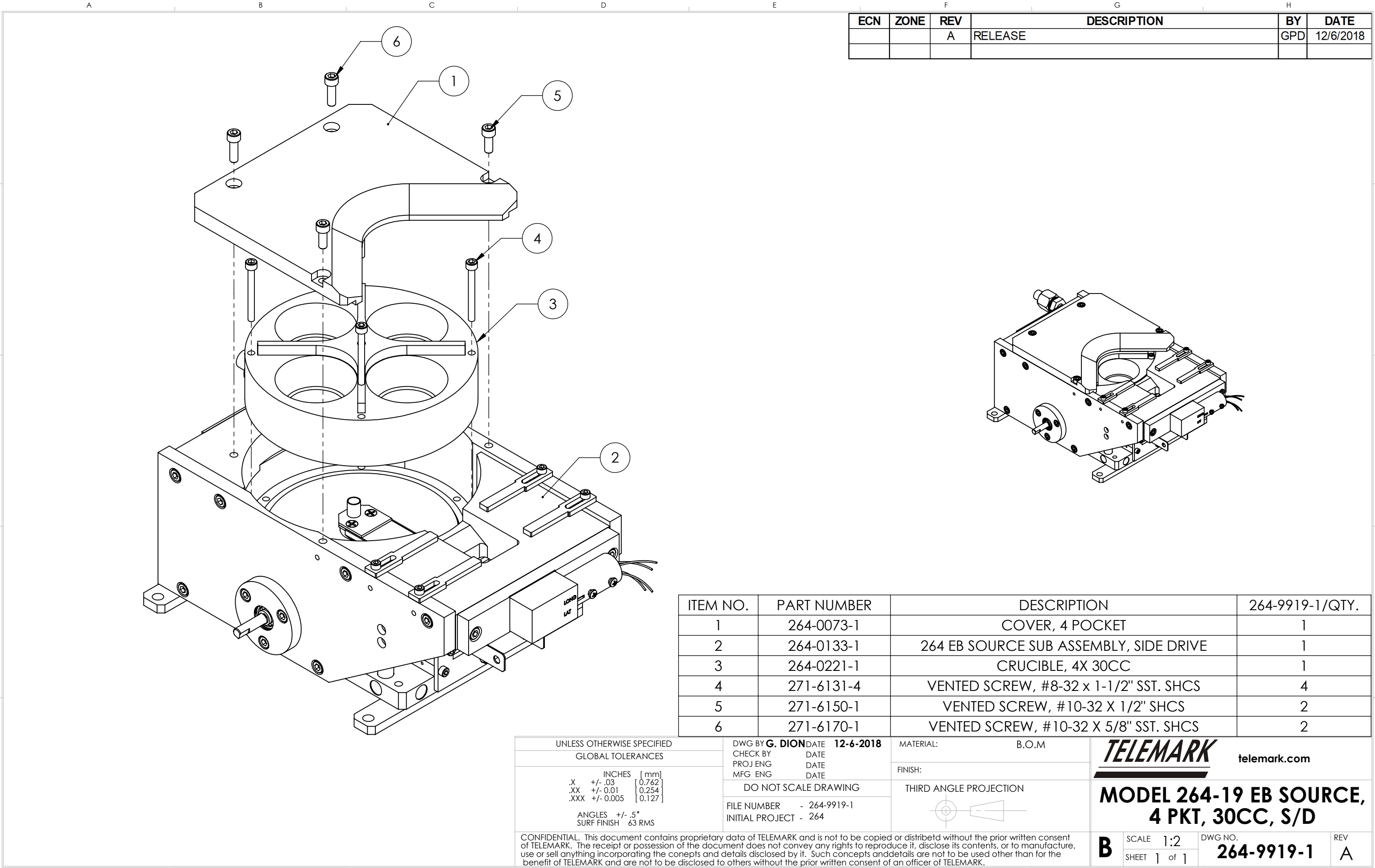




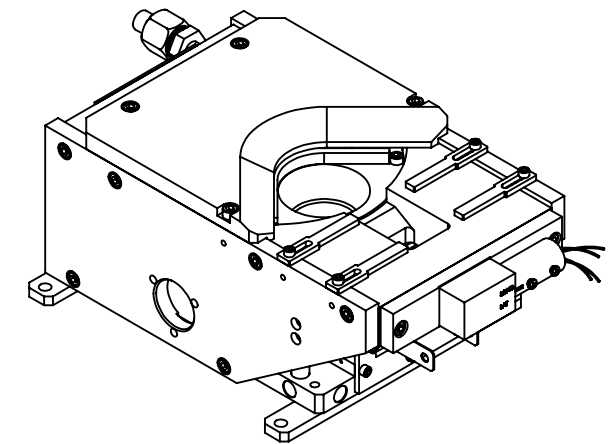
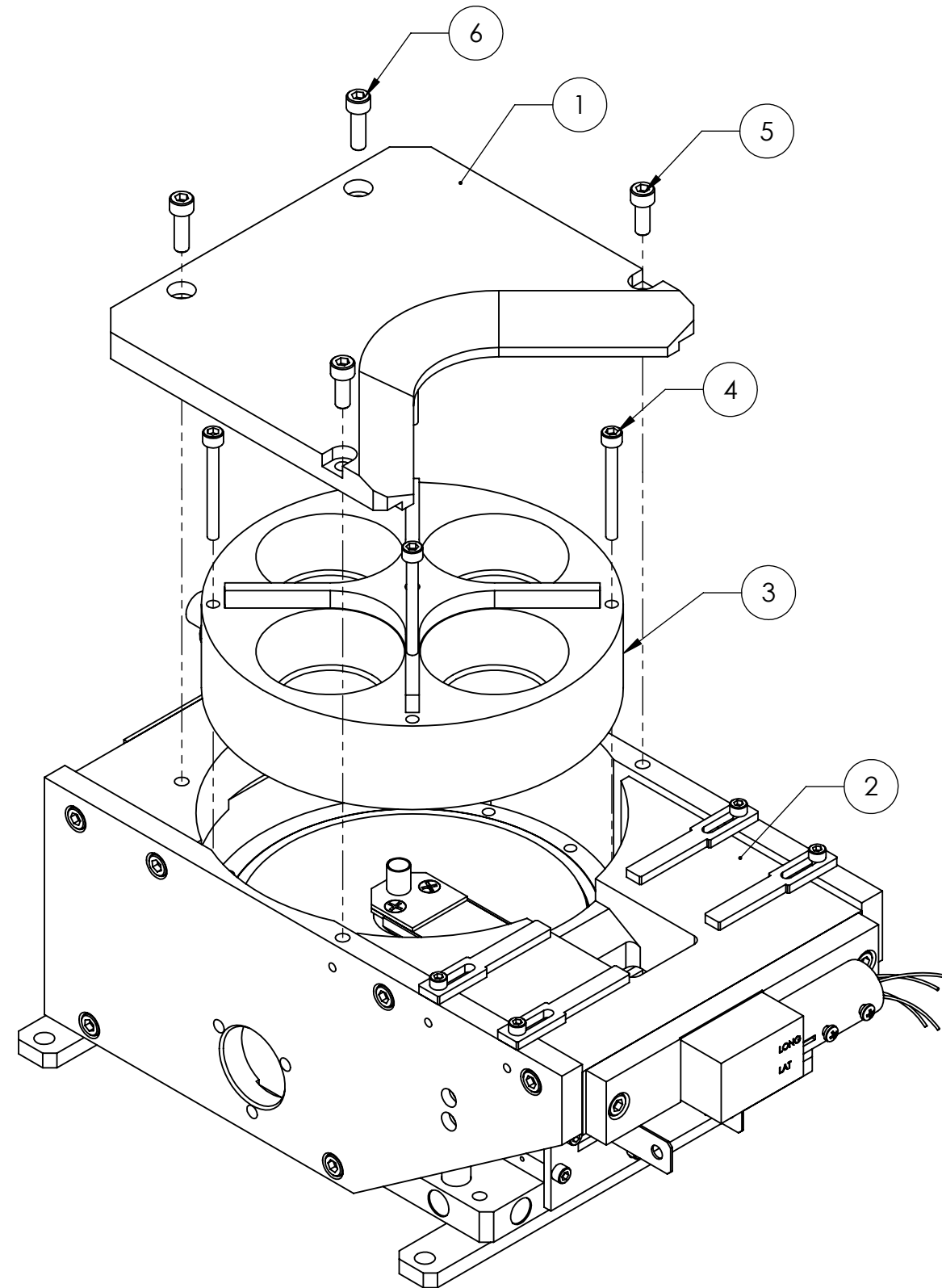








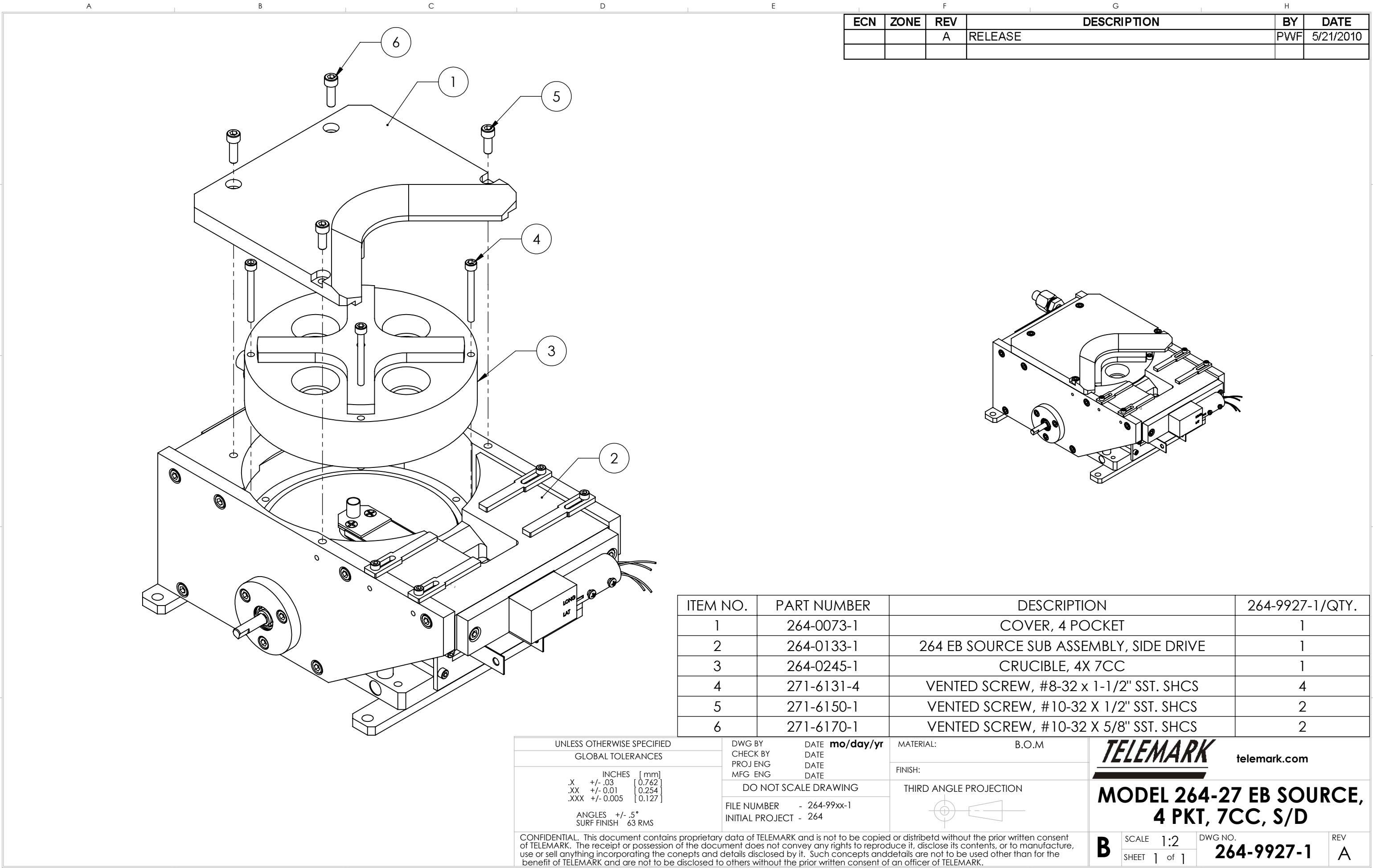


ECN	ZONE	REV	DESCRIPTION	BY	DATE
		A	RELEASE	GPD	12/6/2018



ITEM NO.	PART NUMBER	DESCRIPTION	264-9920-1/QTY.
1	264-0073-1	COVER, 4 POCKET	1
2	264-0135-1	264 EB SOURCE SUB ASSEMBLY, BOTTOM DRIVE	1
3	264-0221-1	CRUCIBLE, 4X 30CC	1
4	271-6131-4	VENTED SCREW, #8-32 x 1-1/2" SST. SHCS	4
5	271-6150-1	VENTED SCREW, #10-32 X 1/2" SHCS	2
6	271-6170-1	VENTED SCREW, #10-32 X 5/8" SST. SHCS	2

UNLESS OTHERWISE SPECIFIED		DWG BY G. DION DATE 12-6-2018		MATERIAL: B.O.M		 telemark.com	
GLOBAL TOLERANCES		CHECK BY DATE		FINISH:		 THIRD ANGLE PROJECTION	
		PROJ ENG DATE					
		MFG ENG DATE					
		DO NOT SCALE DRAWING					
INCHES [mm] .X +/- .03 [0.762] .XX +/- 0.01 [0.254] .XXX +/- 0.005 [0.127]		FILE NUMBER - 264-9920-1				MODEL 264-20 EB SOURCE, 4 PKT, 30CC, B/D	
ANGLES +/- .5° SURF FINISH 63 RMS		INITIAL PROJECT - 264					
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						SCALE 1:2 SHEET 1 of 1	
						DWG NO. 264-9920-1	
						REV A	



ECN	ZONE	REV	DESCRIPTION	BY	DATE
		A	RELEASE	PWF	5/21/2010

ITEM NO.	PART NUMBER	DESCRIPTION	264-9927-1/QTY.
1	264-0073-1	COVER, 4 POCKET	1
2	264-0133-1	264 EB SOURCE SUB ASSEMBLY, SIDE DRIVE	1
3	264-0245-1	CRUCIBLE, 4X 7CC	1
4	271-6131-4	VENTED SCREW, #8-32 x 1-1/2" SST. SHCS	4
5	271-6150-1	VENTED SCREW, #10-32 X 1/2" SST. SHCS	2
6	271-6170-1	VENTED SCREW, #10-32 X 5/8" SST. SHCS	2

UNLESS OTHERWISE SPECIFIED
GLOBAL TOLERANCES

	INCHES	[mm]
.X	+/- .03	[0.762]
.XX	+/- 0.01	[0.254]
.XXX	+/- 0.005	[0.127]

ANGLES +/- .5°
SURF FINISH 63 RMS

DWG BY
CHECK BY
PROJ ENG
MFG ENG

DATE
DATE
DATE
DATE

mo/day/yr

DO NOT SCALE DRAWING

FILE NUMBER - 264-99xx-1
INITIAL PROJECT - 264

MATERIAL: B.O.M

FINISH:

THIRD ANGLE PROJECTION

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**MODEL 264-27 EB SOURCE,
4 PKT, 7CC, S/D**

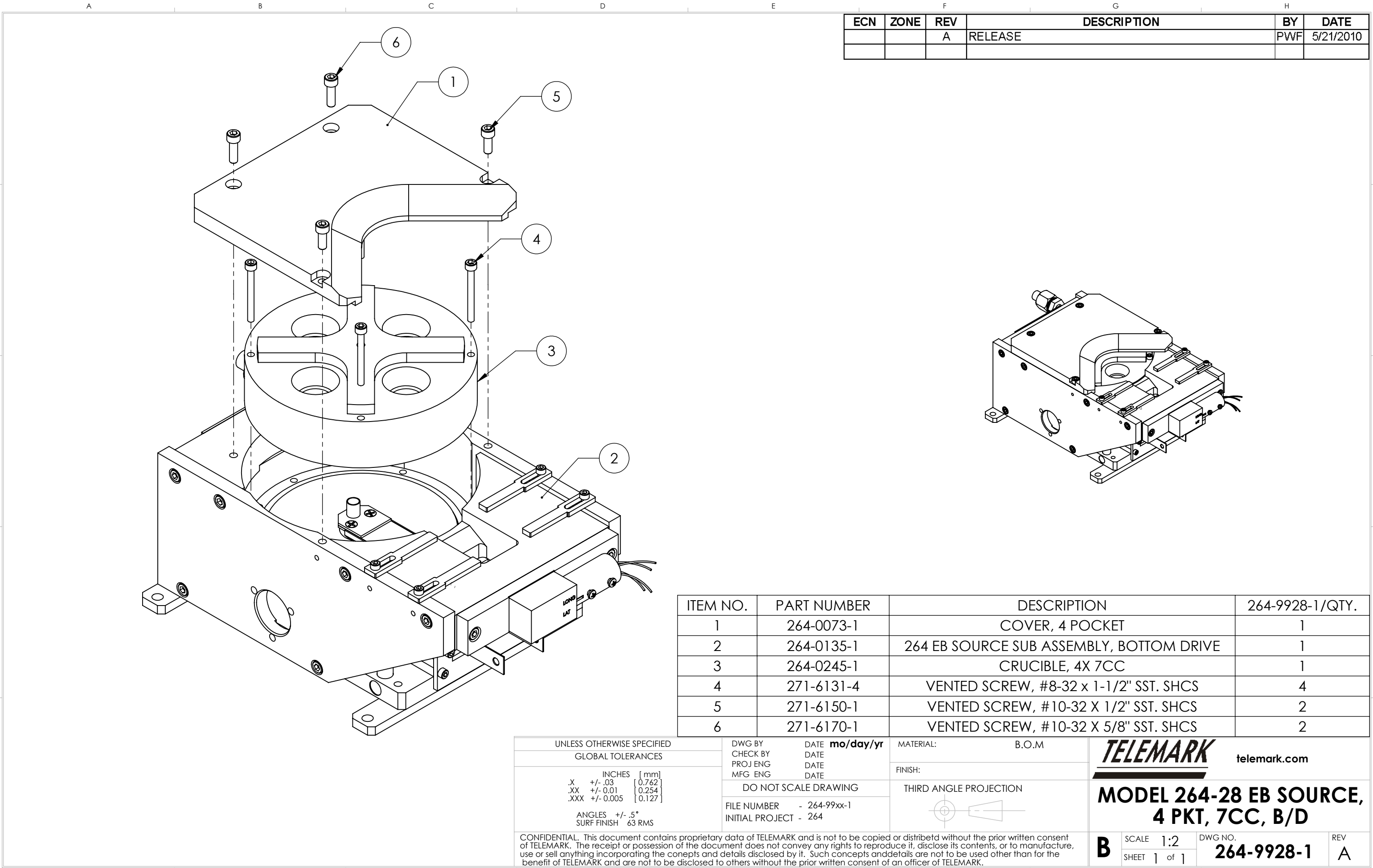
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SCALE 1:2
SHEET 1 of 1

DWG NO.
264-9927-1

REV
A

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1

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4

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A

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ECN	ZONE	REV	DESCRIPTION	BY	DATE
		A	RELEASE	PWF	7/20/2012

PART 271-0452-4 NOT USED ON 264 PAN MODELS

ITEM NO.	PART NUMBER	DESCRIPTION	264-9955-1/QTY.
1	264-0133-1	264 EB SOURCE SUB ASSEMBLY, SIDE DRIVE	1
2	271-6137-1	VENTED SCREW, #8-32 x 1-3/8" SST. SHCS	6
3	264-0274-1	CRUCIBLE, PAN, 208CC	1

UNLESS OTHERWISE SPECIFIED GLOBAL TOLERANCES		DWG BY CHECK BY PROJ ENG MFG ENG	DATE mo/day/yr DATE DATE DATE	MATERIAL: B.O.M
INCHES [mm] .X +/- .03 [0.762] .XX +/- 0.01 [0.254] .XXX +/- 0.005 [0.127]		DO NOT SCALE DRAWING		FINISH:
ANGLES +/- .5° SURF FINISH 63 RMS		FILE NUMBER - 264-99xx-1 INITIAL PROJECT - 264		THIRD ANGLE PROJECTION

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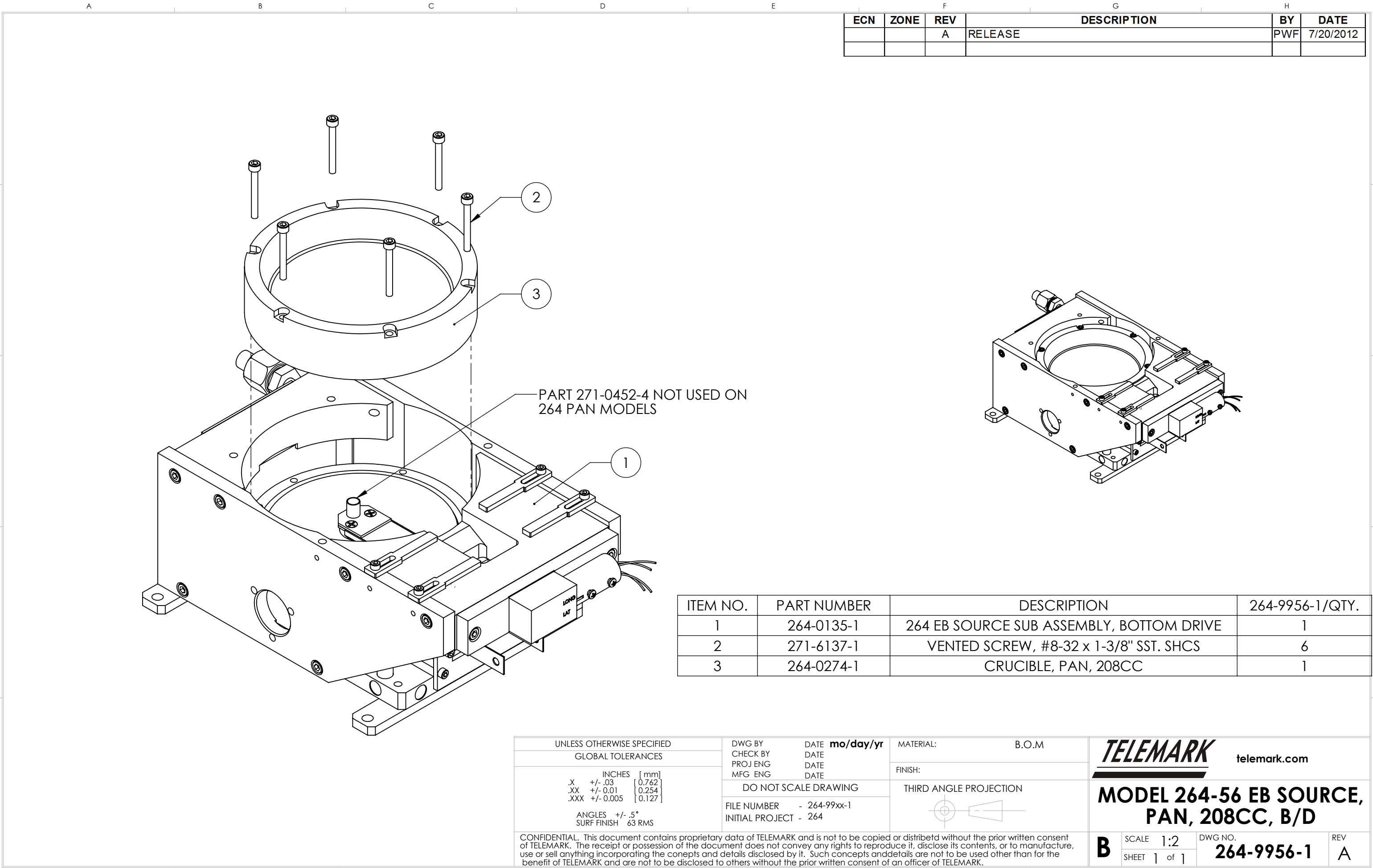
MODEL 264-55 EB SOURCE,
PAN, 208cc, S/D

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SCALE 1:2
SHEET 1 of 1

DWG NO.
264-9955-1

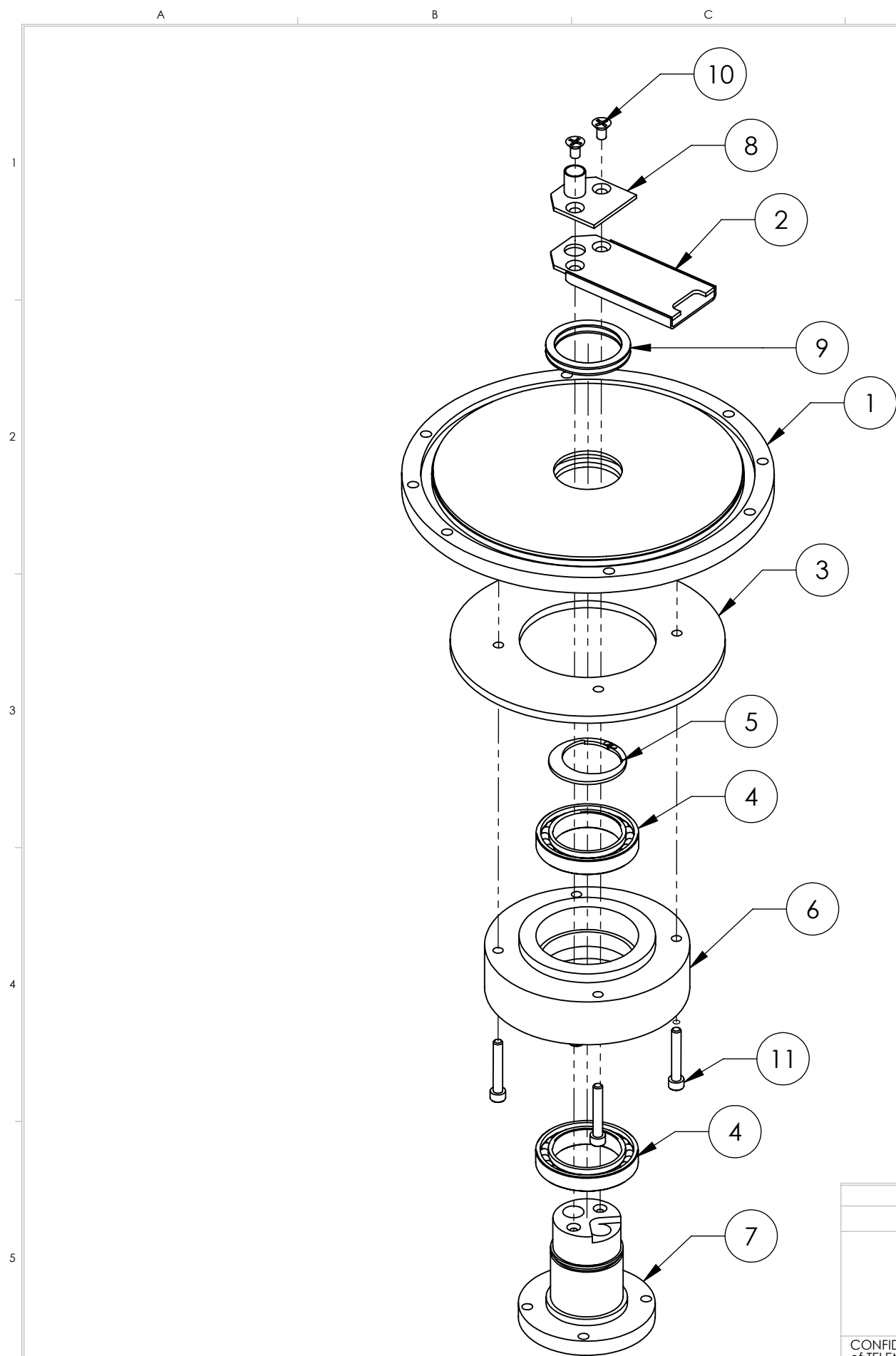
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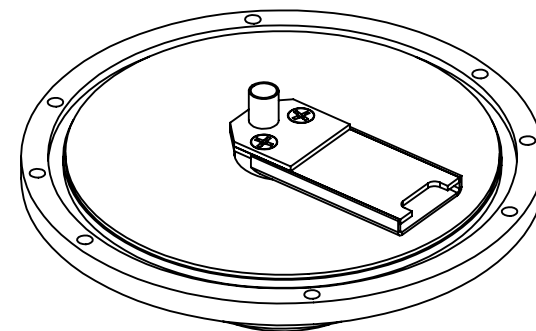


Common Assemblies

E-Beam Source




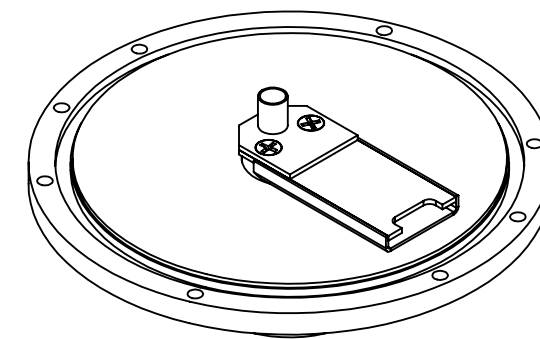
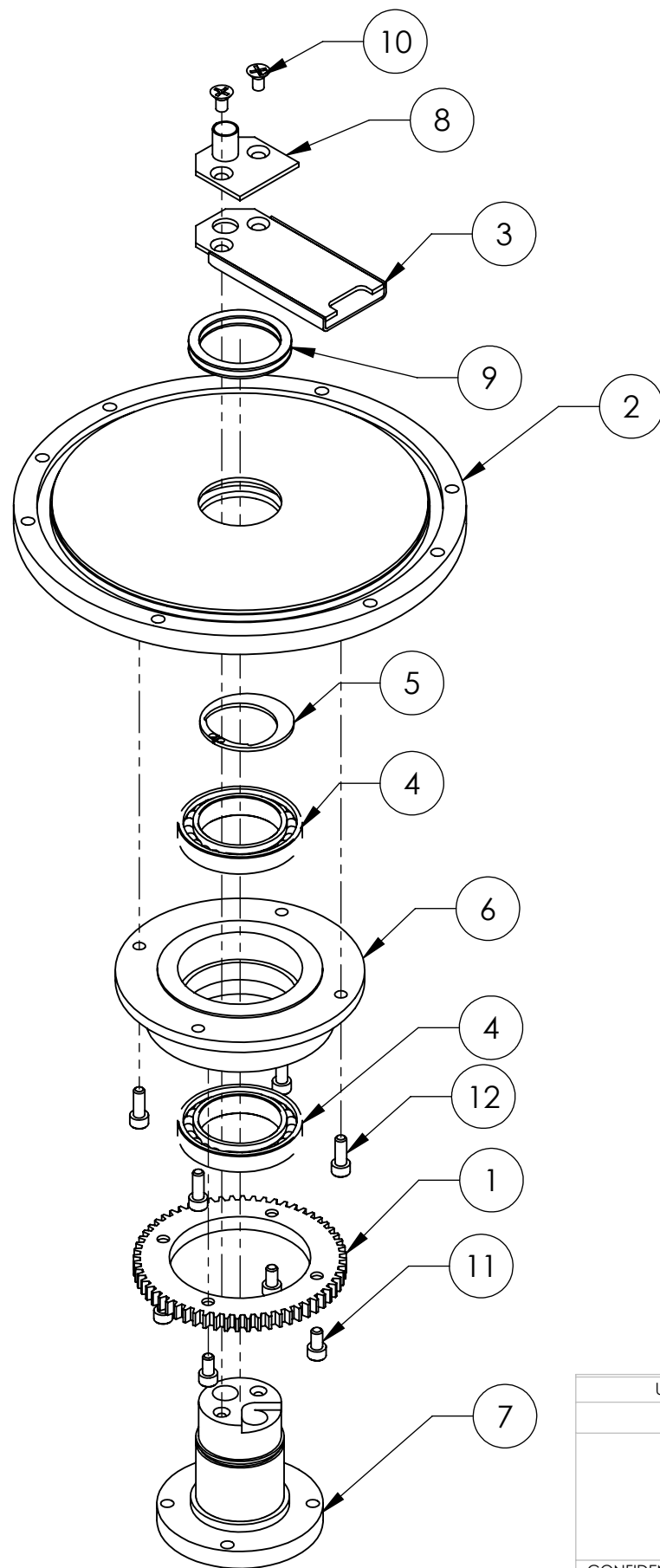
ECN	ZONE	REV	DESCRIPTION	BY	DATE
		A	PRODUCTION RELEASE	D. LY	10/29/2009
		B	ADDED 271-0452-4	PWF	4/7/2010
		C	CHANGE TO 265-0452-1	PWF	7/14/2010



NOTE: 271-0452-4 NOT USED WITH PAN CRUCIBLES

ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY.
1	264-0442-1	CRUCIBLE BASE	1
2	265-0452-1	CRUCIBLE WATER DUCT	1
3	271-0013-1	BEVEL GEAR, 14 DEG	1
4	271-0035-1	BEARING SS	2
5	271-0036-1	CLIP RING, 1	1
6	271-0038-1	BEARING, HOUSING	1
7	271-0042-2	PIVOT SHAFT, HF	1
8	271-0452-4	CRUCIBLE WATER DUCT EXTENSION	1
9	271-4214-1	QUAD RING, VITON, ID 1", W 1/8"	1
10	271-6010-1	VENTED SCREW, #6-32 X 1/4" SST FLAT HEAD	2
11	271-6073-1	VENTED SCREW, #6-32 X 7/8" SST. SHCS.	4

UNLESS OTHERWISE SPECIFIED		DWG BY CHECK BY PROJ ENG MFG ENG	D. LY DATE DATE DATE	2/21/07	MATERIAL:	<div>TELEMARK</div> <div>telemark.com</div>
GLOBAL TOLERANCES					FINISH:	
INCHES [mm] .X +/- .03 [0.762] .XX +/- 0.01 [0.254] .XXX +/- 0.005 [0.127]		DO NOT SCALE DRAWING			THIRD ANGLE PROJECTION	
ANGLES +/- .5° SURF FINISH 63 RMS		FILE NUMBER - 264-0113-1 INITIAL PROJECT -				<div>CRUCIBLE ROTATION ASSEMBLY, SIDE</div>
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B	SCALE	1:2	DWG NO.		REV	
	SHEET	1 of 1	264-0113-1		C	



NOTE: 271-0452-4 NOT USED WITH PAN CRUCIBLES

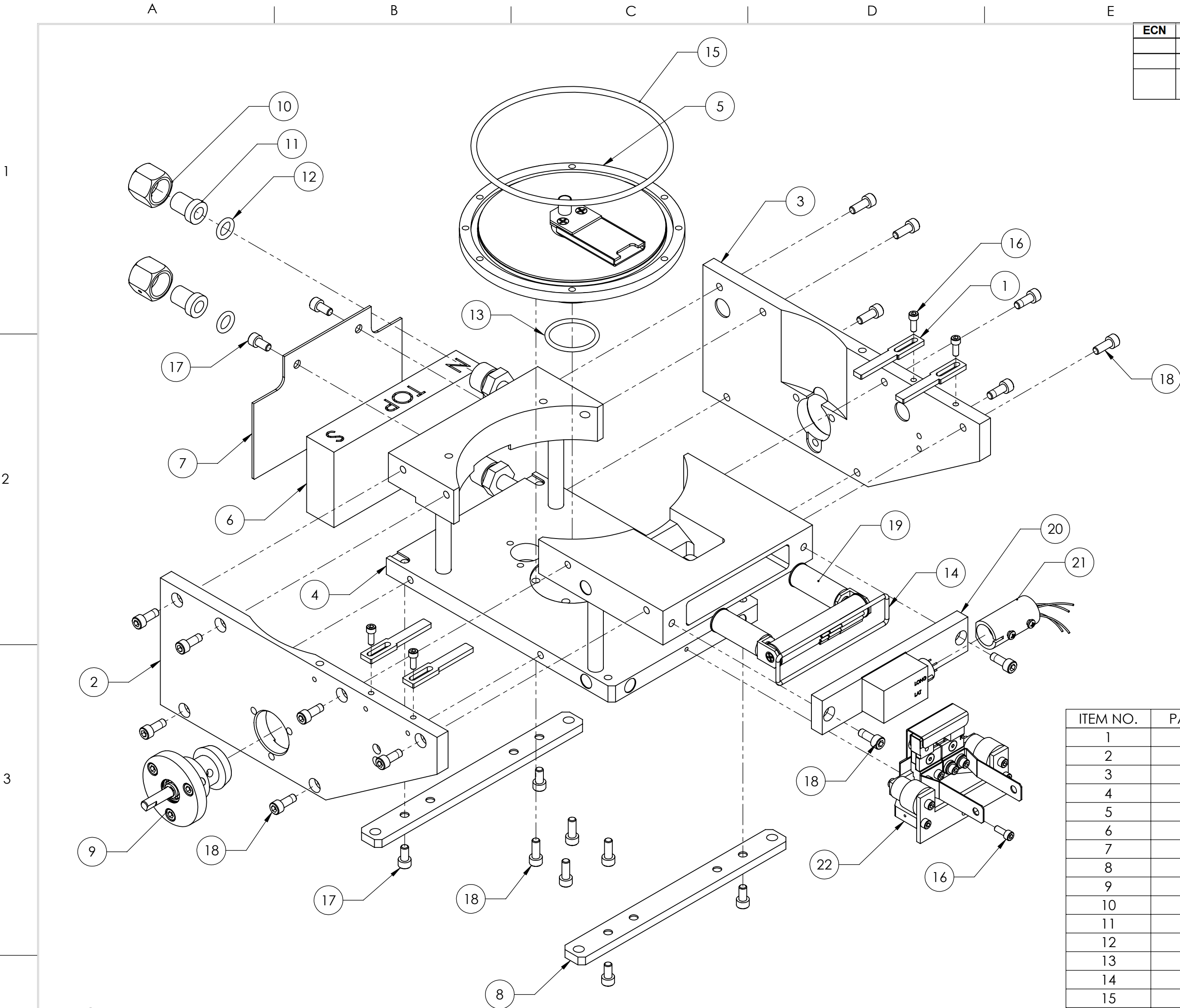
ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY.
1	261-0149-1	SPUR GEAR	1
2	264-0442-1	CRUCIBLE BASE	1
3	265-0452-1	CRUCIBLE WATER DUCT	1
4	271-0035-1	BEARING SS	2
5	271-0036-1	CLIP RING, 1	1
6	261-0039-1	BEARING HOUSING, BOTTOM DRIVE	1
7	271-0042-2	PIVOT SHAFT, HF	1
8	271-0452-4	CRUCIBLE WATER DUCT EXTENSION	1
9	271-4214-1	QUAD RING, VITON, ID 1", W 1/8"	1
10	271-6010-1	VENTED SCREW, #6-32 X 1/4" SST FLAT HEAD	2
11	271-6030-1	VENTED SCREW, #6-32 X 1/4" SST SHCS	4
12	271-6050-1	VENTED SCREW, #6-32 X 3/8" SST. SHCS	4

MATERIAL:

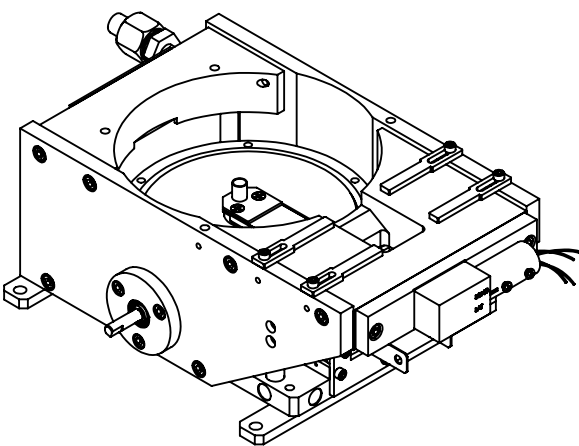


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CRUCIBLE ROT. ASSY. BOTTOM DRIVE



ECN	ZONE	REV	DESCRIPTION	BY	DATE
		A	RELEASE	PWF	5/19/2010
		B	CHANGE EMITTER TO 273-0150-8	PWF	8/21/2013
		C	CHANGED EMITTER FROM 273-0150-8 TO 274-0150-4 & ADDED EMITTER NOTE	GPD	3/27/2019




ITEM NO.	PART NUMBER	DESCRIPTION	264-0133-1/QTY.
1	263-0053-1	POLE PIECE	4
2	264-0058-2	MAGNET ARM, LEFT	1
3	264-0059-2	MAGNET ARM, RIGHT	1
4	264-0112-2	BASE PLATE ASSEMBLY, VCO	1
5	264-0113-1	CRUCIBLE ROTATION ASSEMBLY, SIDE	1
6	265-0055-1	PERMANENT MAGNET	1
7	265-0083-1	REAR SHIELD	1
8	265-0088-1	MOUNTING STRAP	2
9	265-0125-1	SIDE DRIVE ASSEMBLY	1
10	271-0650-2	WATER FITTING NUT	2
11	271-0651-2	WATER FITTING GLAND	2
12	271-2110-1	O-RING, VITON, ID 3/8", W 3/32"	2
13	271-2122-1	O-RING, VITON, ID 1-1/8", W 3/32"	1
14	271-2146-1	O-RING, VITON, ID 2-5/8", W 3/32"	1
15	271-2247-1	O-RING, VITON, ID 4-5/8", W 1/8"	1
16	271-6050-1	VENTED SCREW, #6-32 UNC X 3/8" SHCS	5
17	271-6145-1	VENTED SCREW, #10-32 X 3/8" SST SHCS	6
18	271-6150-1	VENTED SCREW, #10-32 X 1/2" SHCS	18
19	272-0093-1	COIL ASSEMBLY	1
20	272-0100-3	COIL SEAL PLATE ASSEMBLY	1
21	272-0125-2	COIL CONNECTOR ASSEMBLY	1
22	274-0150-1	EMITTER ASSEMBLY	1

NOTE:
THIS MODEL SOURCE IS BEING SUPPLIED WITH TELEMAR'S NEW ARC SUPPRESSION EMITTER.

THIS NEW EMITTER IS IDENTIFIED BY:
A "4" ON THE FRONT SURFACE OF THE MOUNTING BRACKET
STANDARD EMITTER PART NUMBER 274-0150-1 USES STAINLESS
STEEL SCREWS.
UHV EMITTER PART NUMBER 274-0150-3 USES SILVER-PLATED
SCREWS.

THE PRIMARY COMPONENTS IN THIS EMITTER ARE DIFFERENT
FROM THOSE IN OUR LEGACY EMITTER AND ARE NOT
INTERCHANGEABLE WITH THOSE OF THE LEGACY EMITTER.

UNLESS OTHERWISE SPECIFIED			DWG BY	DATE	mo/day/yr	MATERIAL:
GLOBAL TOLERANCES			CHECK BY	DATE		
			PROJ ENG	DATE		FINISH:
			MFG ENG	DATE		
			DO NOT SCALE DRAWING			THIRD ANGLE PROJECTION
INCHES [mm]						
.XX	+/- .03	[0.762]				
.XX	+/- .01	[0.254]				
.XXX	+/- .005	[0.127]				
ANGLES +/- .5°			FILE NUMBER - 264-013x-1			
SURF FINISH .63 RMS			INITIAL PROJECT -			
						
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TELEMAR telemark.com	
264 EB SOURCE SUB ASSEMBLY, SIDE DRIVE	
SCALE 1:2 SHEET 1 of 1	DWG NO. 264-0133-1 REV C

1

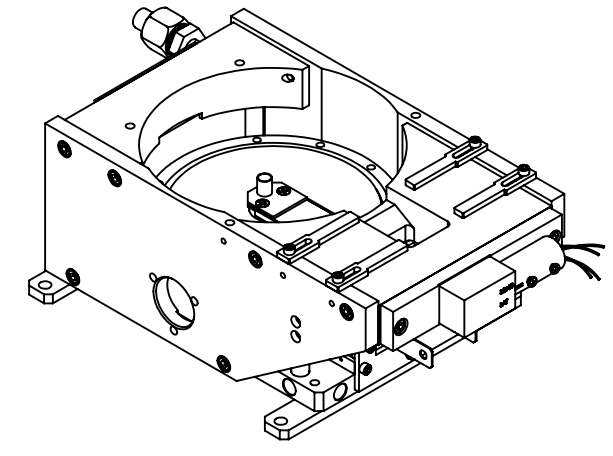
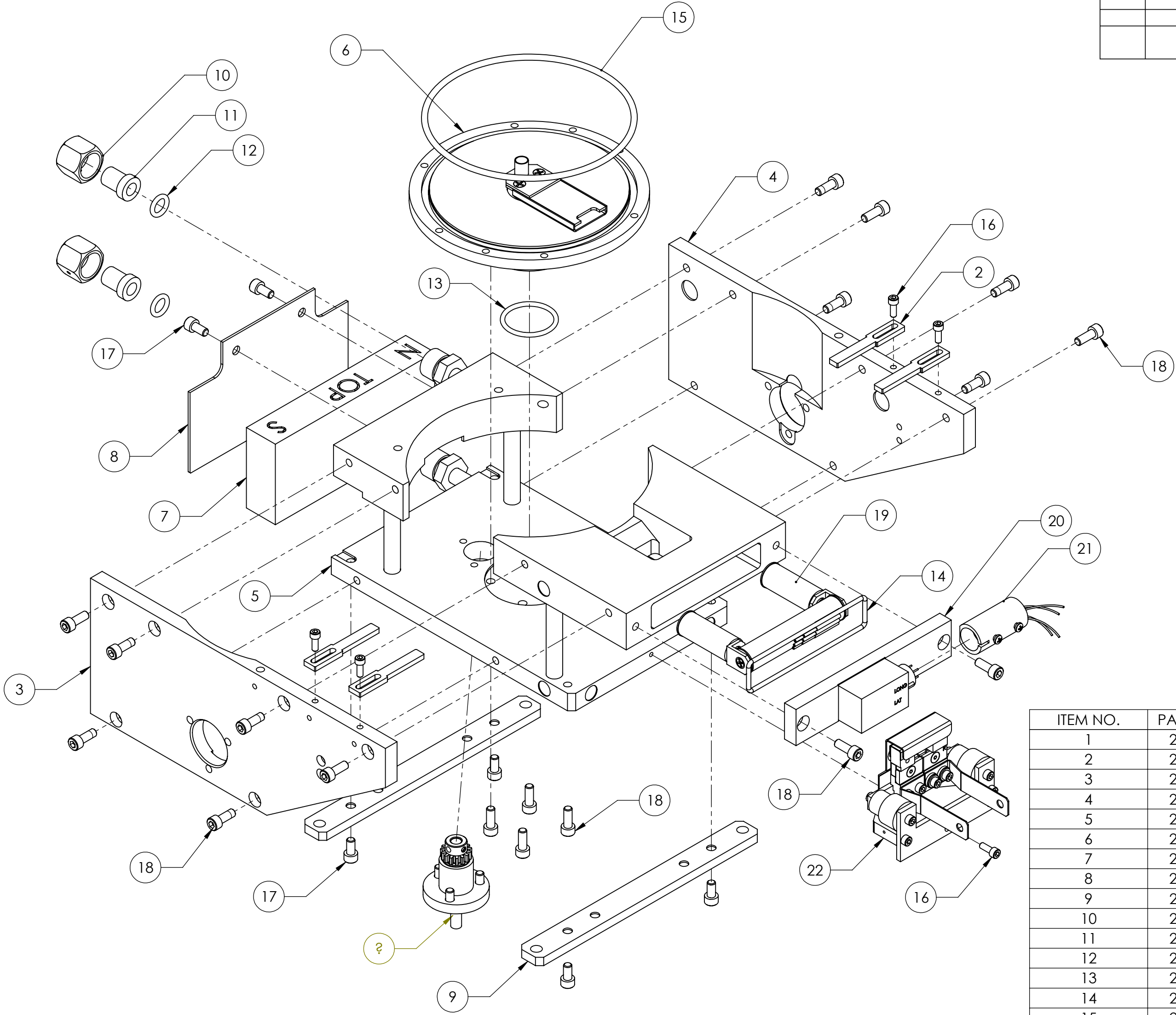
2

3

4

A B C D E F G

ECN	ZONE	REV	DESCRIPTION	BY	DATE
		A	RELEASE	PWF	5/19/2010
		B	CHANGE EMITTER TO 273-0150-8	PWF	8/21/2013
		C	CHANGED EMITTER FROM 273-0150-8 TO 274-0150-1 & ADDING EMITTER NOTE	GPD	3/27/2019



ITEM NO.	PART NUMBER	DESCRIPTION	264-0135-1/QTY.
1	261-0127-2	BOTTOM DRIVE ASSEMBLY	1
2	263-0053-1	POLE PIECE	4
3	264-0058-2	MAGNET ARM, LEFT	1
4	264-0059-2	MAGNET ARM, RIGHT	1
5	264-0112-2	BASE PLATE ASSEMBLY, VCO	1
6	264-0115-1	CRUCIBLE ROT. ASSY. BOTTOM DRIVE	1
7	265-0055-1	PERMANENT MAGNET	1
8	265-0083-1	REAR SHIELD	1
9	265-0088-1	MOUNTING STRAP	2
10	271-0650-2	WATER FITTING NUT	2
11	271-0651-2	WATER FITTING GLAND	2
12	271-2110-1	O-RING, VITON, ID 3/8", W 3/32"	2
13	271-2122-1	O-RING, VITON, ID 1-1/8", W 3/32"	1
14	271-2146-1	O-RING, VITON, ID 2-5/8", W 3/32"	1
15	271-2247-1	O-RING, VITON, ID 4-5/8", W 1/8"	1
16	271-6050-1	VENTED SCREW, #6-32 UNC X 3/8" SHCS	5
17	271-6145-1	VENTED SCREW, #10-32 X 3/8" SST SHCS	6
18	271-6150-1	VENTED SCREW, #10-32 X 1/2" SHCS	18
19	272-0093-1	COIL ASSEMBLY	1
20	272-0100-3	COIL SEAL PLATE ASSEMBLY	1
21	272-0125-2	COIL CONNECTOR ASSEMBLY	1
22	274-0150-1	EMITTER ASSEMBLY	1

NOTE:
THIS MODEL SOURCE IS BEING SUPPLIED WITH TELEMAR'S NEW ARC SUPPRESSION EMITTER.

THIS NEW EMITTER IS IDENTIFIED BY:
A "4" ON THE FRONT SURFACE OF THE MOUNTING BRACKET
STANDARD EMITTER PART NUMBER 274-0150-1 USES STAINLESS
STEEL SCREWS.
UHV EMITTER PART NUMBER 274-0150-3 USES SILVER-PLATED
SCREWS.

THE PRIMARY COMPONENTS IN THIS EMITTER ARE DIFFERENT
FROM THOSE IN OUR LEGACY EMITTER AND ARE NOT
INTERCHANGEABLE WITH THOSE OF THE LEGACY EMITTER.

UNLESS OTHERWISE SPECIFIED
GLOBAL TOLERANCES

INCHES	[mm]
X +/- .03	[0.762]
.XX +/- .01	[0.254]
.XXX +/- .005	[0.127]

ANGLES +/- .5°
SURF FINISH 63 RMS

DWG BY
CHECK BY
PROJ ENG
MFG ENG

DATE
DATE
DATE
DATE

DO NOT SCALE DRAWING

FILE NUMBER - 264-013x-1
INITIAL PROJECT -

MATERIAL:

FINISH:

THIRD ANGLE PROJECTION

TELEMAR
telemark.com

**264 EB SOURCE SUB
ASSEMBLY, BOTTOM DRIVE**

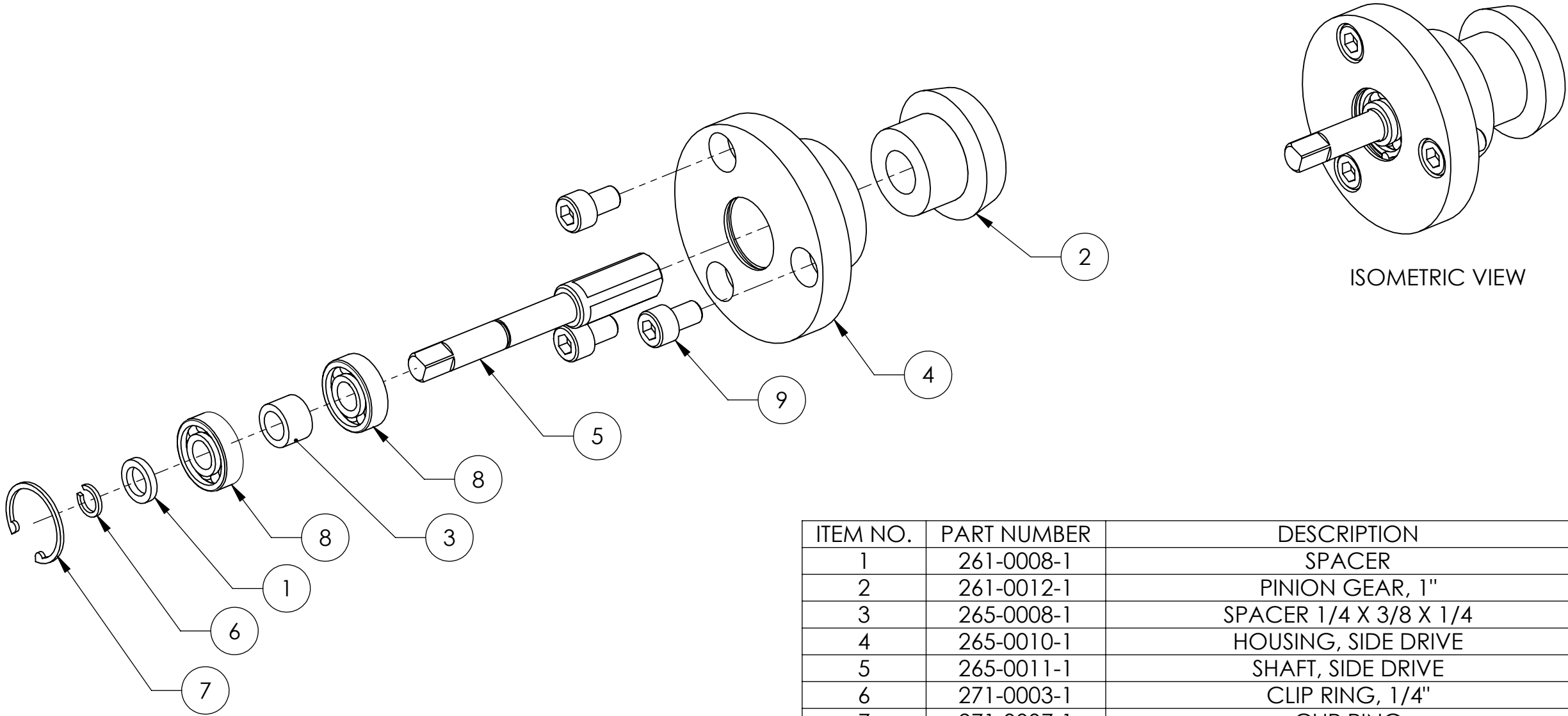
SCALE 1:2
SHEET 1 of 1

DWG NO.
264-0135-1

REV
C

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ECN	ZONE	REV	DESCRIPTION	BY	DATE
		A	RELEASE FOR PRODUCTION	D. LY	8/9/2007
		A1	UPDATE	PWF	4/5/2010



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	261-0008-1	SPACER	1
2	261-0012-1	PINION GEAR, 1"	1
3	265-0008-1	SPACER 1/4 X 3/8 X 1/4	1
4	265-0010-1	HOUSING, SIDE DRIVE	1
5	265-0011-1	SHAFT, SIDE DRIVE	1
6	271-0003-1	CLIP RING, 1/4"	1
7	271-0007-1	CLIP RING	1
8	271-0009-1	BEARING SS	2
9	271-6140-1	VENTED SCREW, #10-32 X 5/16" SST. SHCS	3

UNLESS OTHERWISE SPECIFIED	
GLOBAL TOLERANCES	
	INCHES [mm]
.X	+/- .03 [0.762]
.XX	+/- 0.01 [0.254]
.XXX	+/- 0.005 [0.127]
ANGLES +/- .5°	
SURF FINISH 63 RMS	

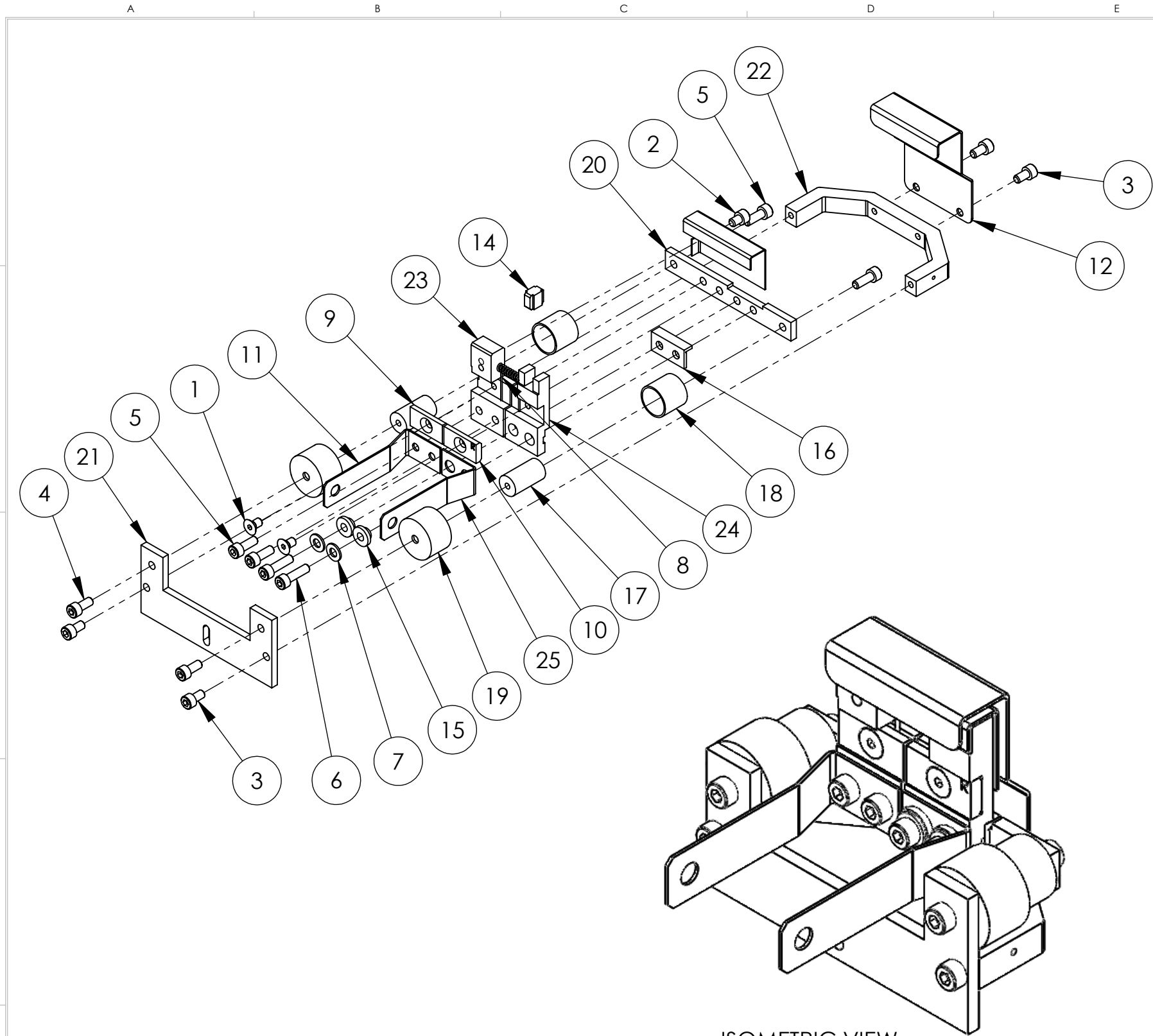
DWG BY	D. LY	DATE	8/9/07
CHECK BY		DATE	
PROJ ENG		DATE	
MFG ENG		DATE	
DO NOT SCALE DRAWING			
FILE NUMBER - 265-0125-1			
INITIAL PROJECT -			

MATERIAL:
FINISH:
THIRD ANGLE PROJECTION

TELEMARK		telemark.com
SIDE DRIVE ASSEMBLY		

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B	SCALE	1:1	DWG NO.	265-0125-1	REV	A1
	SHEET	1 of 1				



ISOMETRIC VIEW

UNLESS OTHERWISE SPECIFIED		
GLOBAL TOLERANCES		
	INCHES	[mm]
.X	+/- .03	[0.762]
.XX	+/- 0.01	[0.254]
.XXX	+/- 0.005	[0.127]
ANGLES +/- .5°		
SURF FINISH 63 RMS		

DWG BY **G. DION** DATE **7-21-2015**
CHECK BY _____ DATE _____
PROJ ENG _____ DATE _____
MFG ENG _____ DATE _____

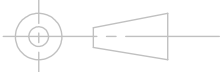
DO NOT SCALE DRAWING

FILE NUMBER - 274-0150-1
INITIAL PROJECT -

MATERIAL: SEE PARTS LIST

FINISH: SEE NOTES

THIRD ANGLE PROJECTION



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ECN	ZONE	REV	DESCRIPTION	BY	DATE
		A	RELEASE	GPD	7/21/2015
		B	ADDING LARGER INSULATOR SHIELD	GPD	7/21/2016
		C	ITEM 17 FROM 273-0018-7 TO 273-0018-8	GPD	8/2/2016
		D	P/N FROM 273-0017-1 TO 273-0017-2 & 273-0018-8 TO 273-0018-2	GPD	2/21/2017
		E	REVISED PARTS	GPD	10/2/2017
990811		F	P/N FROM 271-6050-1 TO 271-6040-1, 2 PLACES	GPD	2/1/2018

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	271-6010-5	SCREW, #6-32 X 1/4" SLOT FLAT HEAD, Ti	2
2	271-6020-5	SCREW, #6-32 X 3/16" TI SHCS	1
3	271-6030-1	VENTED SCREW, #6-32 UNC X 1/4" SST SHCS	4
4	271-6040-1	VENTED SCREW, #6-32 X 5/16 SST SHCS	2
5	271-6050-1	VENTED SCREW, #6-32 UNC X 3/8" SHCS	4
6	271-6060-1	VENTED SCREW, #6-32 X 1/2" SST SHCS	2
7	271-6242-1	FLAT WASHER, #6 SST	2
8	273-0001-1	FILAMENT, 7-1/2 TURN	1
9	273-0033-3	FILAMENT CLAMP, LEFT	1
10	273-0033-4	FILAMENT CLAMP, RIGHT	1
11	273-0035-1	EMITTER BUS BAR, LEFT	1
12	274-0003-7	ANODE	1
13	274-0004-7	BEAM FORMER	1
14	274-0005-1	INSULATOR, CROSS	1
15	274-0006-1	INSULATOR, COLLAR	2
16	274-0008-1	INSULATOR, L	1
17	274-0010-1	INSULATOR, HV	2
18	274-0011-1	HV SHIELD	2
19	274-0011-2	HV SHIELD	2
20	274-0017-2	MOUNTING BRACKET	1
21	274-0018-2	EMITTER SUPPORT BRACKET	1
22	274-0019-7	U-BRACKET	1
23	274-0031-1	CATHODE BLOCK, LEFT	1
24	274-0032-1	CATHODE BLOCK, RIGHT	1
25	274-0036-1	EMITTER BUSS BAR, RIGHT	1

TELEMAR

Battle Ground, WA

EMITTER ASSEMBLY

B

SCALE 1:1
SHEET 1 of 1

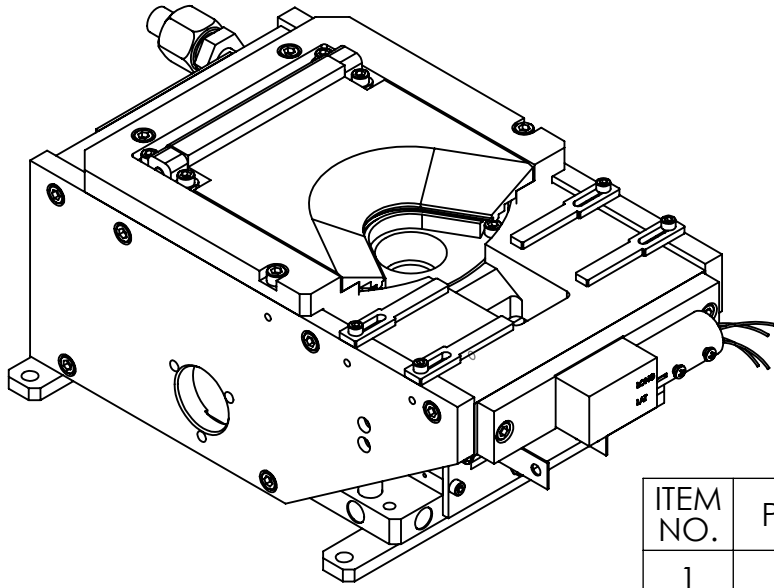
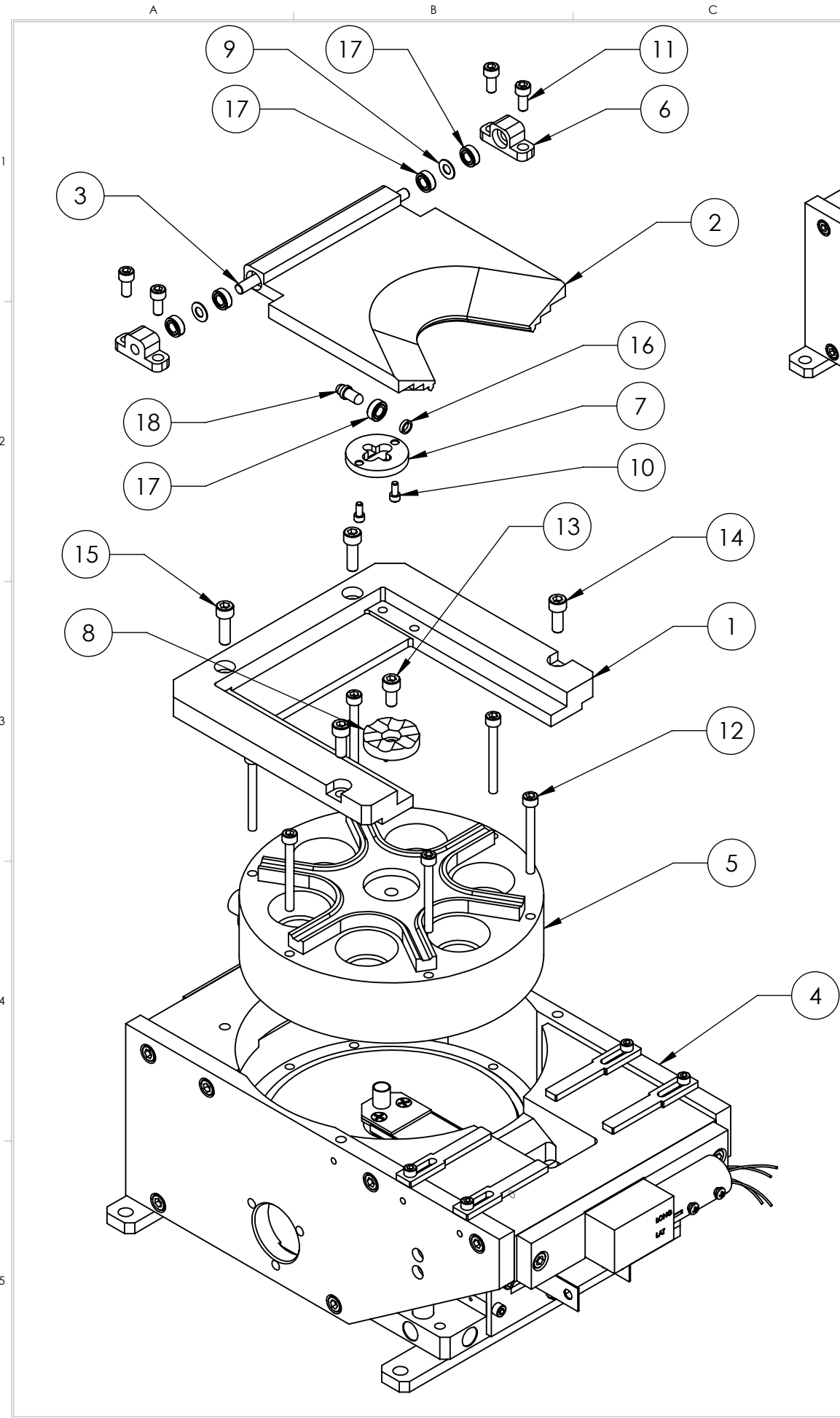
DWG NO.
274-0150-1

REV
F



Optional Assemblies

Self Sealing Cover



ECN	ZONE	REV	DESCRIPTION	BY	DATE
		A	RELEASE	GPD	3/24/2015

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	264-0091-9	COVER, (SSC)	1
2	264-0094-6	COVER, 6 POCKET, (SSC)	1
3	264-0097-1	SHAFT, (SSC)	1
4	264-0135-1	264 EB SOURCE SUB ASSEMBLY, BOTTOM DRIVE	1
5	264-0282-8	CRUCIBLE, 6X 7CC, (SSC)	1
6	271-0037-1	BEARING HOUSING (SSC)	2
7	271-0039-1	BEARING HOLDER	1
8	271-0040-2	6 POCKET, CAM	1
9	271-0601-2	BELLEVILLE WASHER, 3/16", SST	2
10	271-5999-1	VENTED SCREW, #4-40 UNC X 1/4" SST SHCS	2
11	271-6125-1	VENTED SCREW, #8-32 UNC X 3/8" LG, SST, SHCS	4
12	271-6131-4	VENTED SCREW, #8-32 x 1-1/2" SST. SHCS	6
13	271-6145-1	VENTED SCREW, #10-32 X 3/8" SST SHCS	1
14	271-6150-1	VENTED SCREW, #10-32 X 1/2" SHCS	2
15	271-6170-1	VENTED SCREW, #10-32 X 5/8" SST. SHCS	2
16	528-0068-1	SPACER .063	1
17	528-0069-1	BEARING, 3/8" O.D. X 3/16" I.D. X 1/8" THICK, SHIELDED, SST	5
18	568-0158-1	BEARING SHAFT	1

UNLESS OTHERWISE SPECIFIED
GLOBAL TOLERANCES

	INCHES	[mm]
.X	+/- .03	[0.762]
.XX	+/- 0.01	[0.254]
.XXX	+/- 0.005	[0.127]

ANGLES +/- .5°
SURF FINISH 63 RMS

DWG BY **G. DION** DATE **3-24-2015**
CHECK BY DATE
PROJ ENG DATE
MFG ENG DATE

DO NOT SCALE DRAWING

FILE NUMBER -
INITIAL PROJECT -

MATERIAL: SEE PARTS LIST

FINISH:

THIRD ANGLE PROJECTION

TELEMARK
Battle Ground, WA

**MODEL 264-06 EB SOURCE,
6 PKT, 7CC, B/D, SSC**

B SCALE 2:5
SHEET 1 of 1

DWG NO. **264-9906-1SSC** REV **A**

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Optional Assemblies

Arc Suppression

A

B

C

D

E

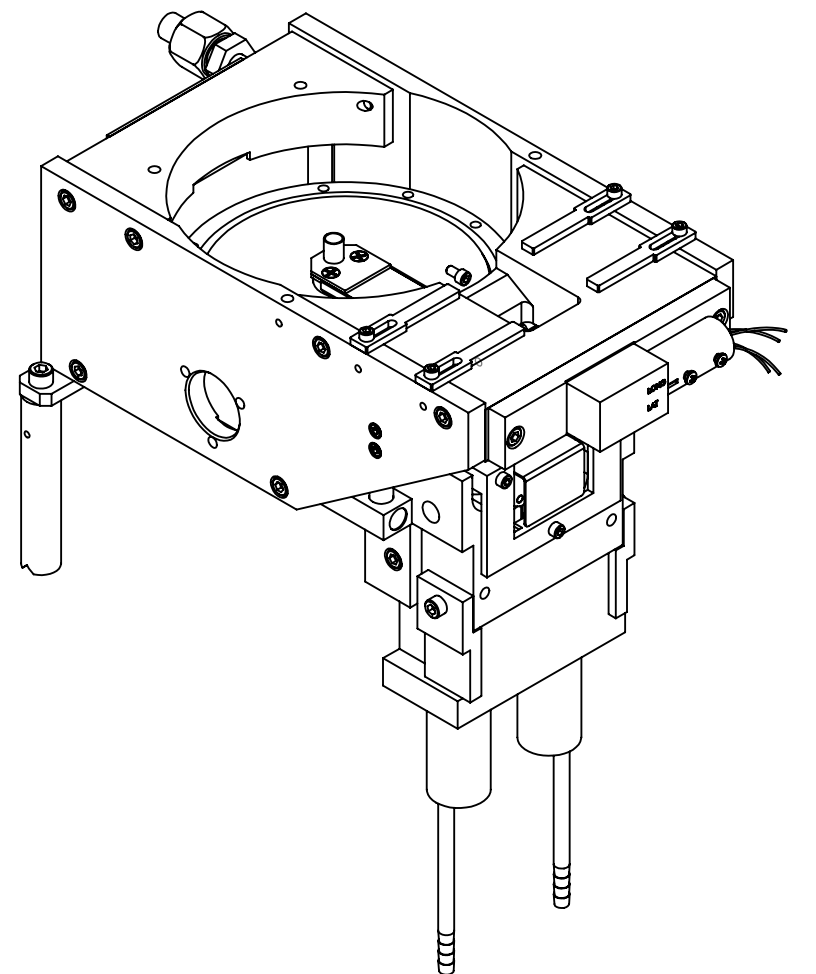
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G

NOTE:

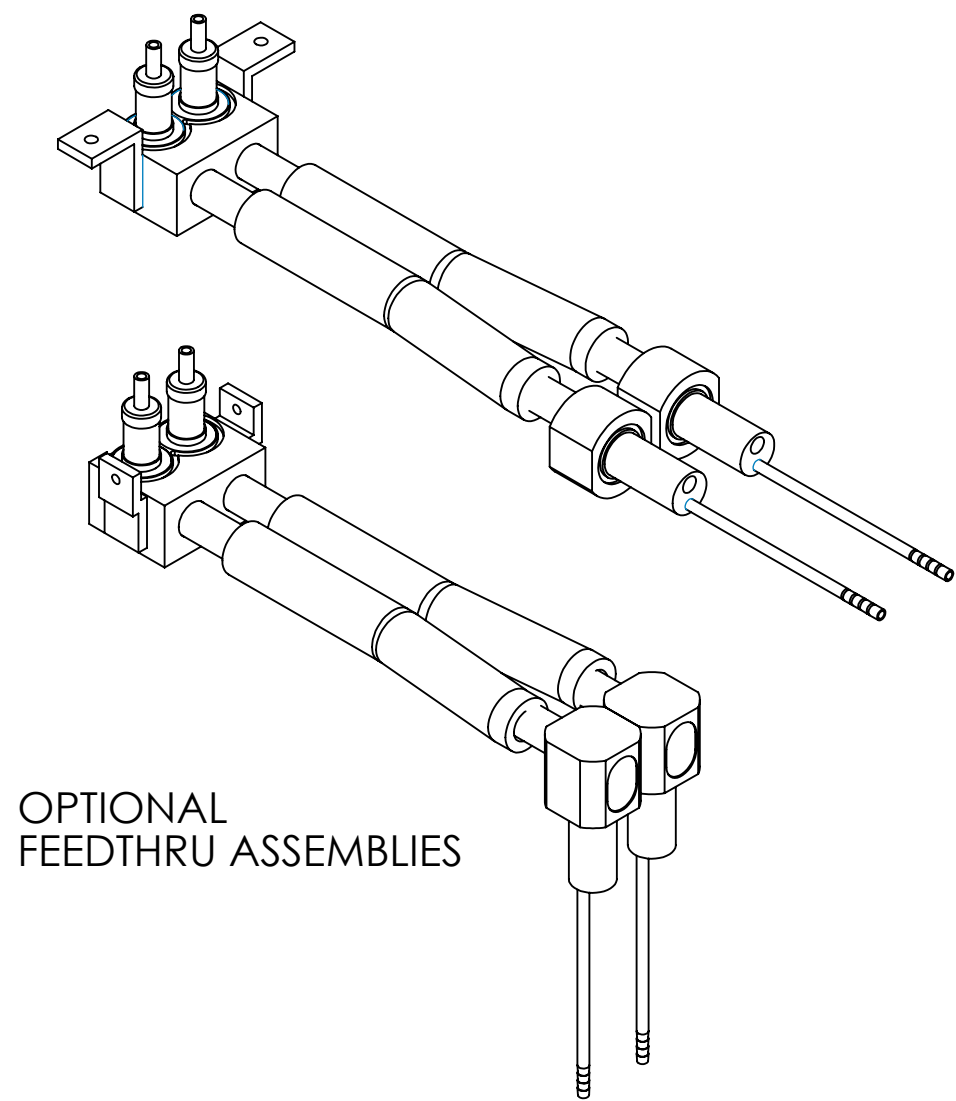
1. ITEM 1 IS 264-0133-2 OR 264-0135-2 WHICH IS THE SAME AS THE STANDARD 264 ASSEMBLY EXCEPT THE BASE PLATE IS PART NUMBER 264-0112-4 AND ONLY ONE MOUNTING STRAP PART NUMBER 265-0088-1 IS USED.
2. ITEM 13 IS PART OF THE EMITTER ASSEMBLY PART NUMBER 291-3151-1.
3. ITEM 19 IS THE STANDARD FEEDTHRU, MANY OTHER OPTIONS ARE AVAILABLE.

ECN	ZONE	REV	DESCRIPTION	BY	DATE
		A	RELEASE	PWF	8/7/2012
		B	REVISED EMITTER & POLE PIECES	GPD	1/7/2015
		B1	REVISED NOTES	GPD	1/19/2015



SCALE 1 : 3

ITEM NO.	PART NUMBER	DESCRIPTION	Default/ QTY.
1	264-013x-2	264 EB SOURCE SUB ASSEMBLY, AF	1
2	264-5158-3	ANGLE MOUNT, RIGHT	1
3	264-5158-4	ANGLE MOUNT, LEFT	1
4	265-0465-1	STAND-OFF	2
5	264-0053-1	POLE PIECE (264)	2
6	271-6030-1	VENTED SCREW, #6-32 UNC X 1/4" SHCS	2
7	271-6050-1	VENTED SCREW, #6-32 UNC X 3/8" SHCS	1
8	271-6060-1	VENTED SCREW, #6-32 X 1/2" SST SHCS	4
9	271-6140-1	VENTED SCREW, #10-32 UNF X 5/16" SST, SHCS	2
10	271-6145-1	VENTED SCREW, #10-32 X 3/8" SST SHCS	2
11	271-6150-1	VENTED SCREW, #10-32 X 1/2" SHCS	4
12	271-6180-1	VENTED SCREW, 1/4-20 X 3/8" SST SHCS	2
13	291-3003-7	ANODE (NOTE: PART OF ASSY 291-3151-4)	1
14	291-3024-1	EMITTER BLOCK, 264, 265, 295	1
15	291-3151-4	EMITTER ASSEMBLY, AS, 264, 269, 266, 293, 295	1
16	291-5040-1	POWER BLOCK, L.H.	1
17	291-5041-1	POWER BLOCK, R.H.	1
18	291-5042-1	POWER CLAMP	2
19	291-5190-2	DUAL HV F/T ASSEMBLY, 264/295	1

OPTIONAL
FEEDTHRU ASSEMBLIESUNLESS OTHERWISE SPECIFIED
GLOBAL TOLERANCES

X	±.03	[0.762]
.XX	±.01	[0.254]
.XXX	±.005	[0.127]

ANGLES	±.5°
SURF FINISH	63 RMS

DWG BY
CHECK BY
PROJ ENG
MFG ENGDATE
DATE
DATE
DATE

MATERIAL:

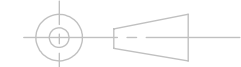
BOM

FINISH:

SEE NOTES

DO NOT SCALE DRAWING

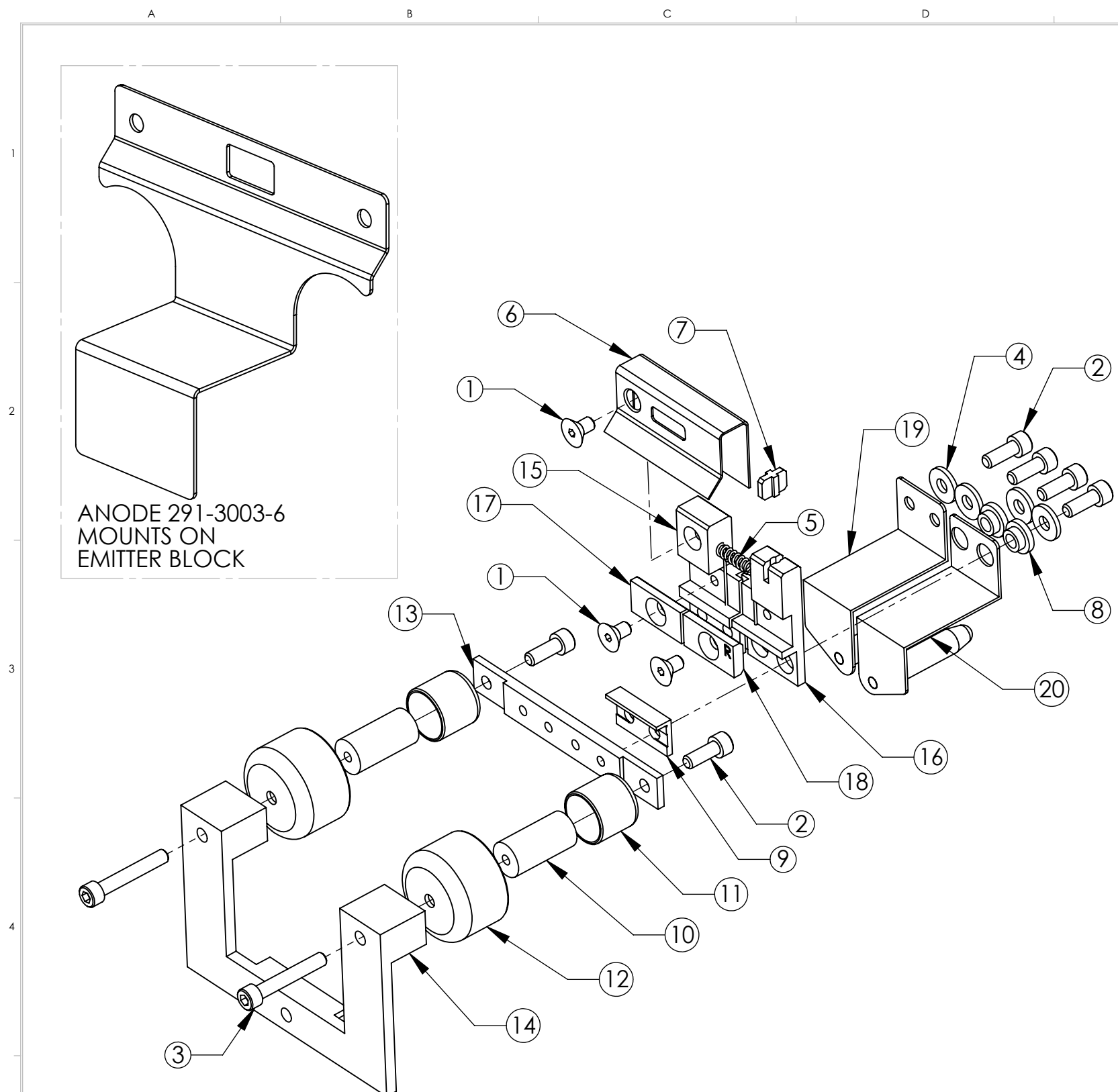
THIRD ANGLE PROJECTION

FILE NUMBER - 264-5175-1
INITIAL PROJECT -**TELEMARK**

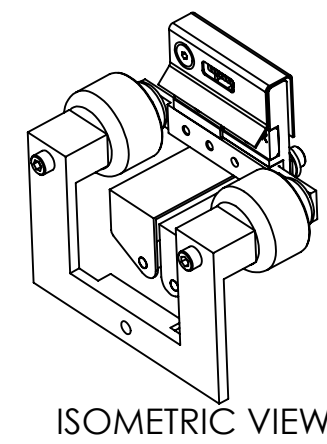
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**264 ARC SUPPRESSION
OPTION**SCALE 1:2
SHEET 1 of 1DWG NO.
264-5175-1REV
B1

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ANODE 291-3003-6
MOUNTS ON
EMITTER BLOCK



ISOMETRIC VIEW

ECN	ZONE	REV	DESCRIPTION	BY	DATE
		A	PRODUCTION RELEASE	D. LY	2/10/2002
		B	ECN#990383	D. LY	5/17/2004
		C	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
GLOBAL TOLERANCES

	INCHES	[mm]
.X	+/- .03	[0.762]
.XX	+/- 0.01	[0.254]
.XXX	+/- 0.005	[0.127]

ANGLES +/- .5°
SURF FINISH 63 RMS

DWG BY **D. LY** DATE **2/10/02**
CHECK BY DATE
PROJ ENG DATE
MFG ENG DATE

DO NOT SCALE DRAWING

FILE NUMBER - 291-3151-1
INITIAL PROJECT -

MATERIAL: SEE B.O.M.

FINISH: B.O.M.

THIRD ANGLE PROJECTION

TELEMARK telemark.com

**EMITTER ASSEMBLY,
264, 265, 295**

B SCALE 1:1 DWG NO. 291-3151-1 REV C

SHEET 1 of 1

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