

	1	2	3	4	5	6	7	8		
A	BASIC PART NUMBER	TABULATION				REVISION TABLE			A	
		DASH NUMBER				REVISION	ECO NO.	APP'D		DATE
		CODE	N/A			BT	RTC1077716	JJN		7-27-21
		00	N/A			DESCRIPTION				
01		Pb-FREE			UPDATE TO REFLECT LOWER LEVEL CHANGES TO 00754-3019 AND 00754-3020 DRAWINGS			B		
		CODE	FREQUENCY							
		5	2.4 GHz (BLACK SHRINK TUBE-FILTER & FERRITE WRAP)							
		6	2.4 GHz (BLUE SHRINK TUBE-UNFILTERED & FERRITE WRAP)							
			CODE	MODEL						
			1	STANDARD RANGE TRANSMITTER INTEGRAL ANTENNA, Pb-Free						
	2		GATEWAY INTEGRAL ANTENNA							
	4		EXTENDED RANGE TRANSMITTER INTEGRAL ANTENNA, Pb-Free							
	5		STANDARD RANGE MULTI INPUT TEMP INTEGRAL ANTENNA, Pb-Free							
6	EXTENDED RANGE MULTI INPUT TEMP INTEGRAL ANTENNA, Pb-Free									
C	7	STANDARD RANGE MULTI INPUT TEMP INTEGRAL ANTENNA ROXAR Pb-Free						C		
	8	EXTENDED RANGE MULTI INPUT TEMP INTEGRAL ANTENNA ROXAR Pb-Free								
D	00753-2035-	00	6	1	TYPICAL PART NUMBER				D	
E									E	
F									F	

FORM REV AE

SEE SHEET 11 FOR NOTES:

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES [mm]. REMOVE ALL BURRS AND SHARP EDGES.

-DEC TOLERANCES-

.X ± .1 [2.5]

.XX ± .02 [0.5]

.XXX ± .010 [0.25]

FRACTIONS ± 1/32

ANGLES ± 2°

SURFACE FINISH UNLESS OTHERWISE SPECIFIED

125✓

3RD ANGLE

SIZE B

SCALE 3/4

REV BT

ROSEMOUNT

8200 Market Boulevard - Chanhassen, MN 55317 USA

TITLE

ANTENNA ASSEMBLY

DR. S.M. DENNIS5-24-06

APP'D T. GRUNIG5-24-06

DRAWING NO.

00753-2035

DO NOT SCALE PRINT

CAD MAINTAINED, (PRO/E)

PRODUCT CODE

-

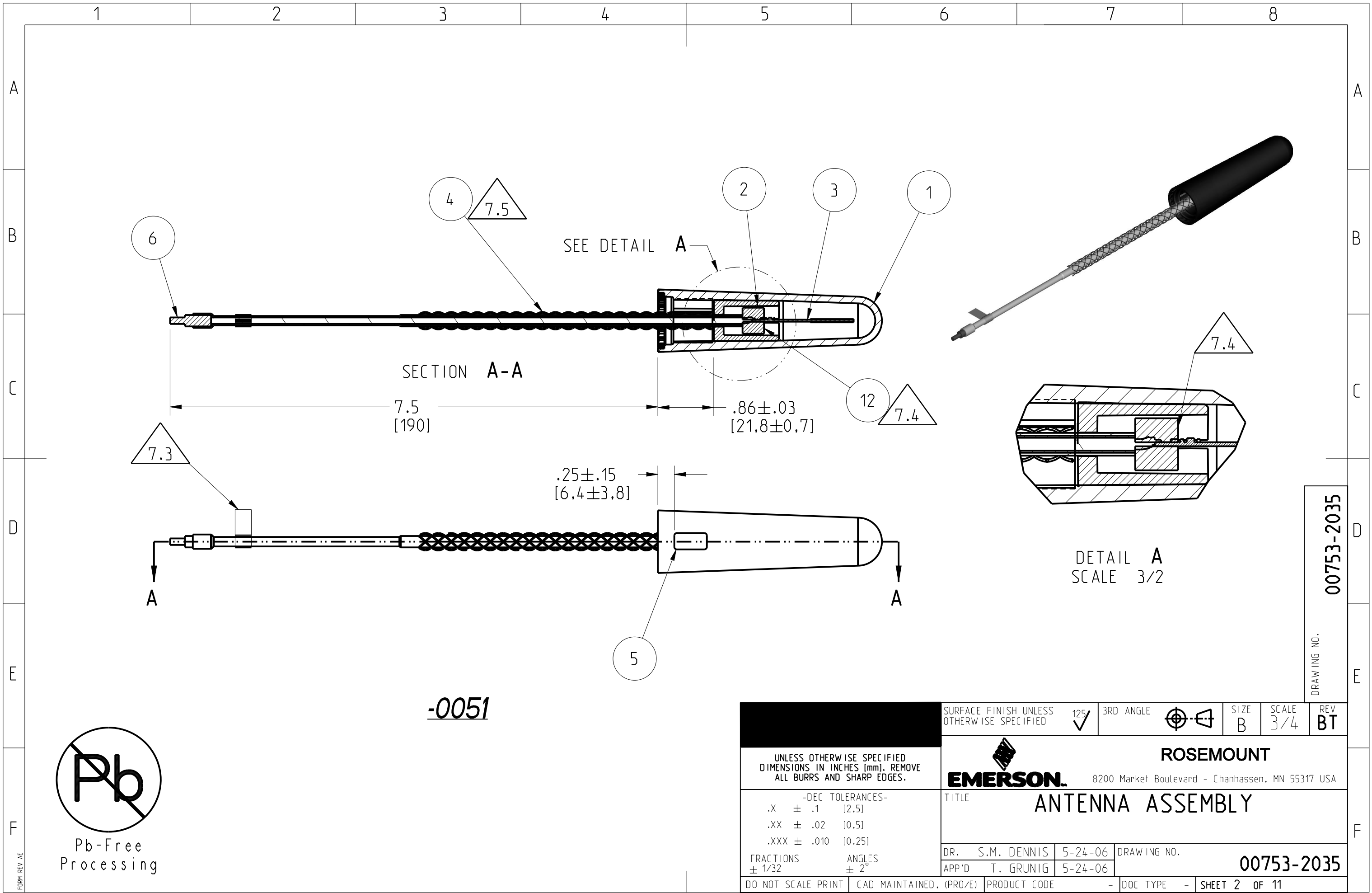
DOC TYPE

-

SHEET 1 OF 11

DRAWING NO.

00753-2035

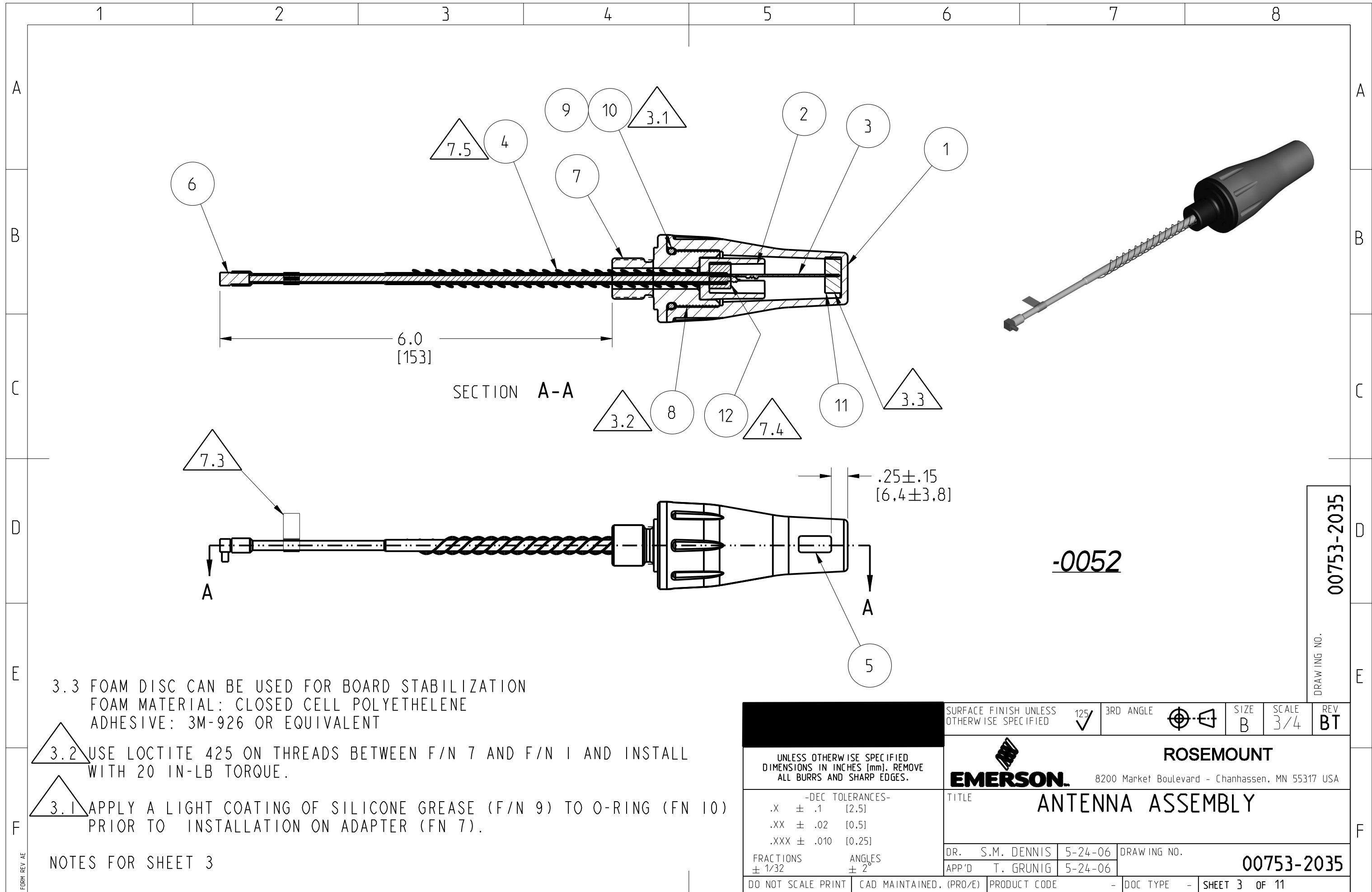


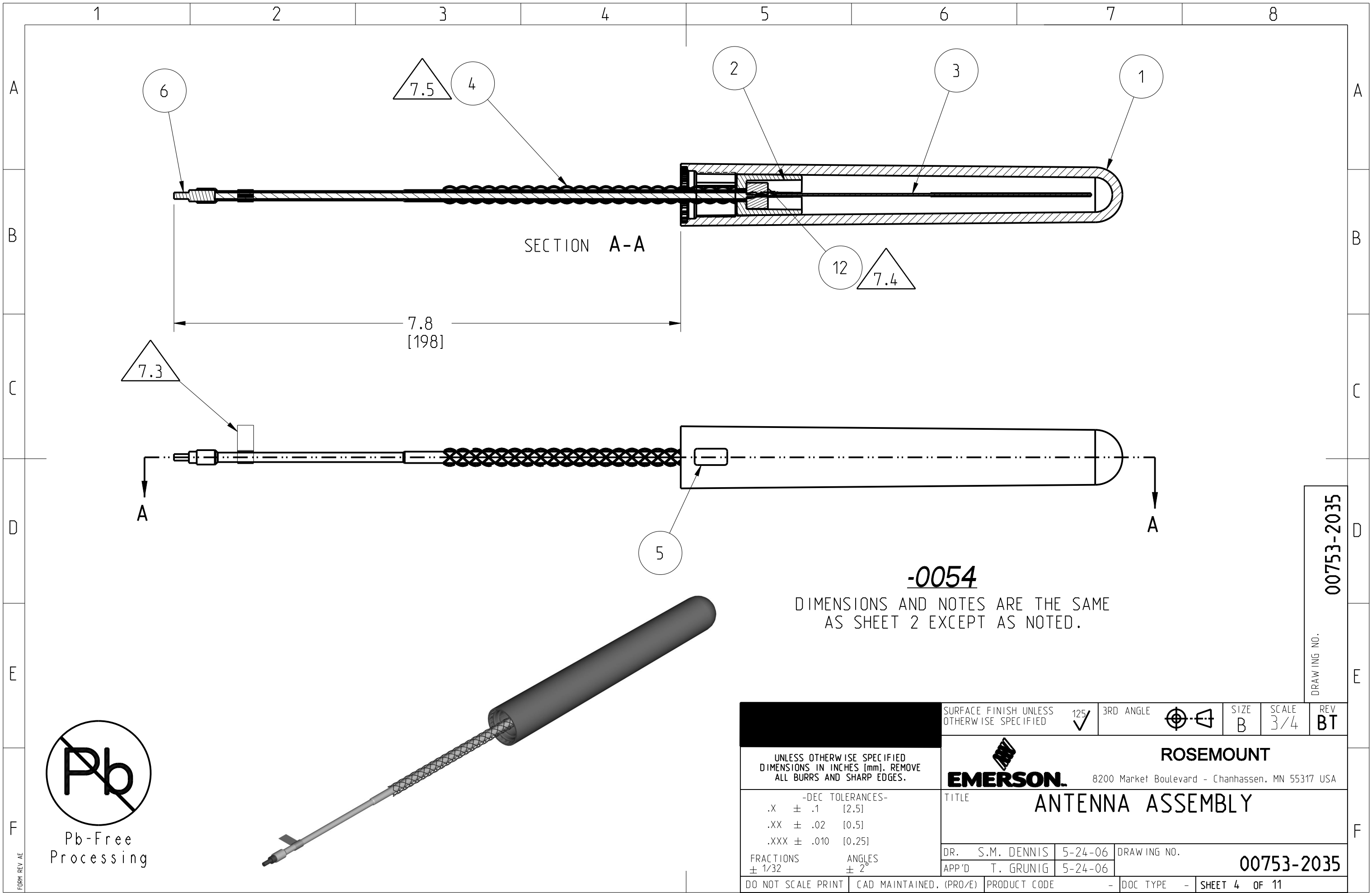
-0051

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES [mm]. REMOVE ALL BURRS AND SHARP EDGES.		SURFACE FINISH UNLESS OTHERWISE SPECIFIED		125	3RD ANGLE		SIZE B	SCALE 3/4	REV BT
-DEC TOLERANCES- .X ± .1 [2.5] .XX ± .02 [0.5] .XXX ± .010 [0.25] FRACTIONS ± 1/32 ANGLES ± 2°		ROSEMOUNT 8200 Market Boulevard - Chanhassen, MN 55317 USA TITLE ANTENNA ASSEMBLY							
DO NOT SCALE PRINT		CAD MAINTAINED. (PRO/E)		PRODUCT CODE		- DOC TYPE -		SHEET 2 OF 11	
		DR. S.M. DENNIS		5-24-06		DRAWING NO.		00753-2035	
		APP'D T. GRUNIG		5-24-06					

00753-2035

DRAWING NO.





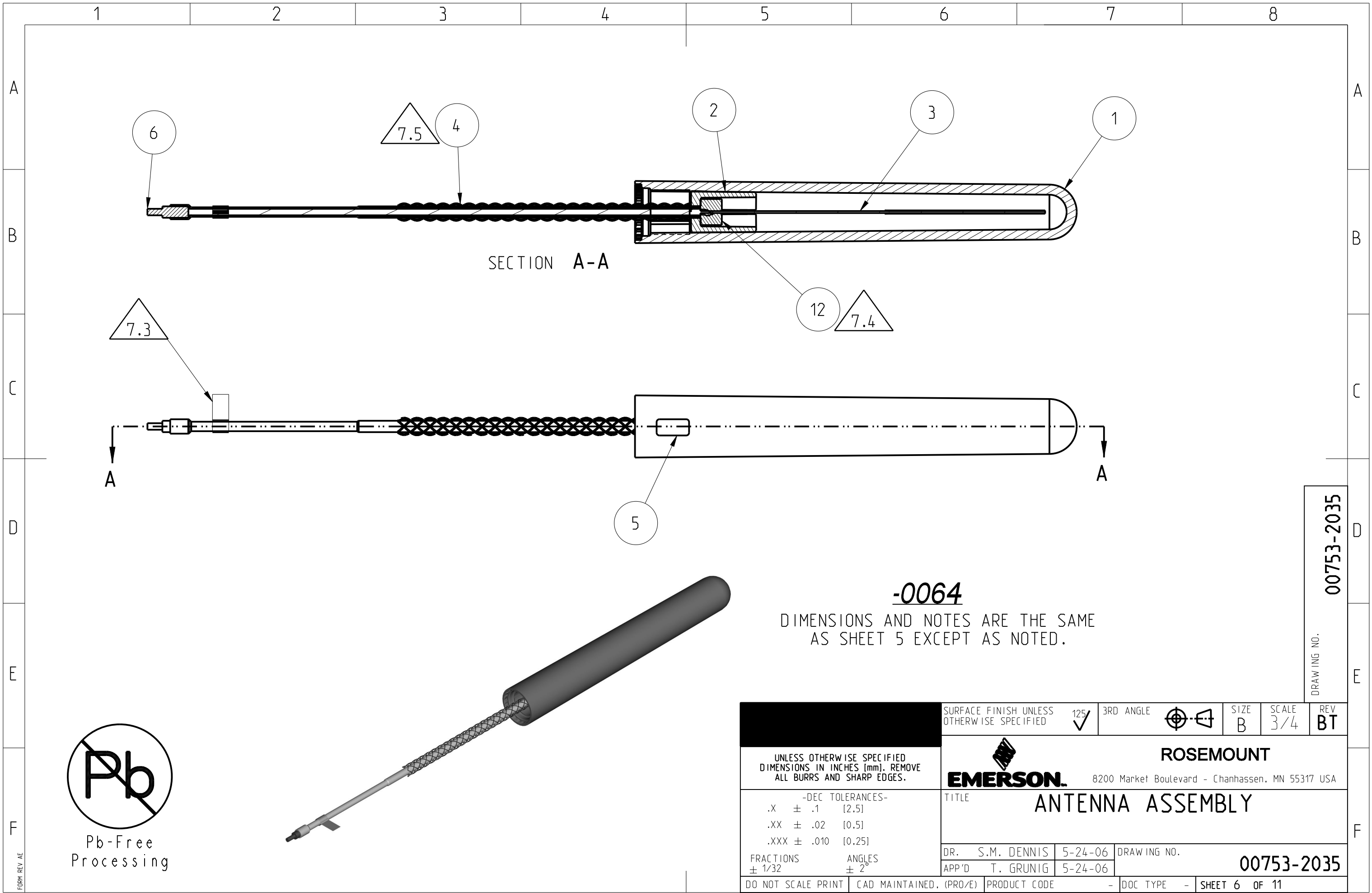
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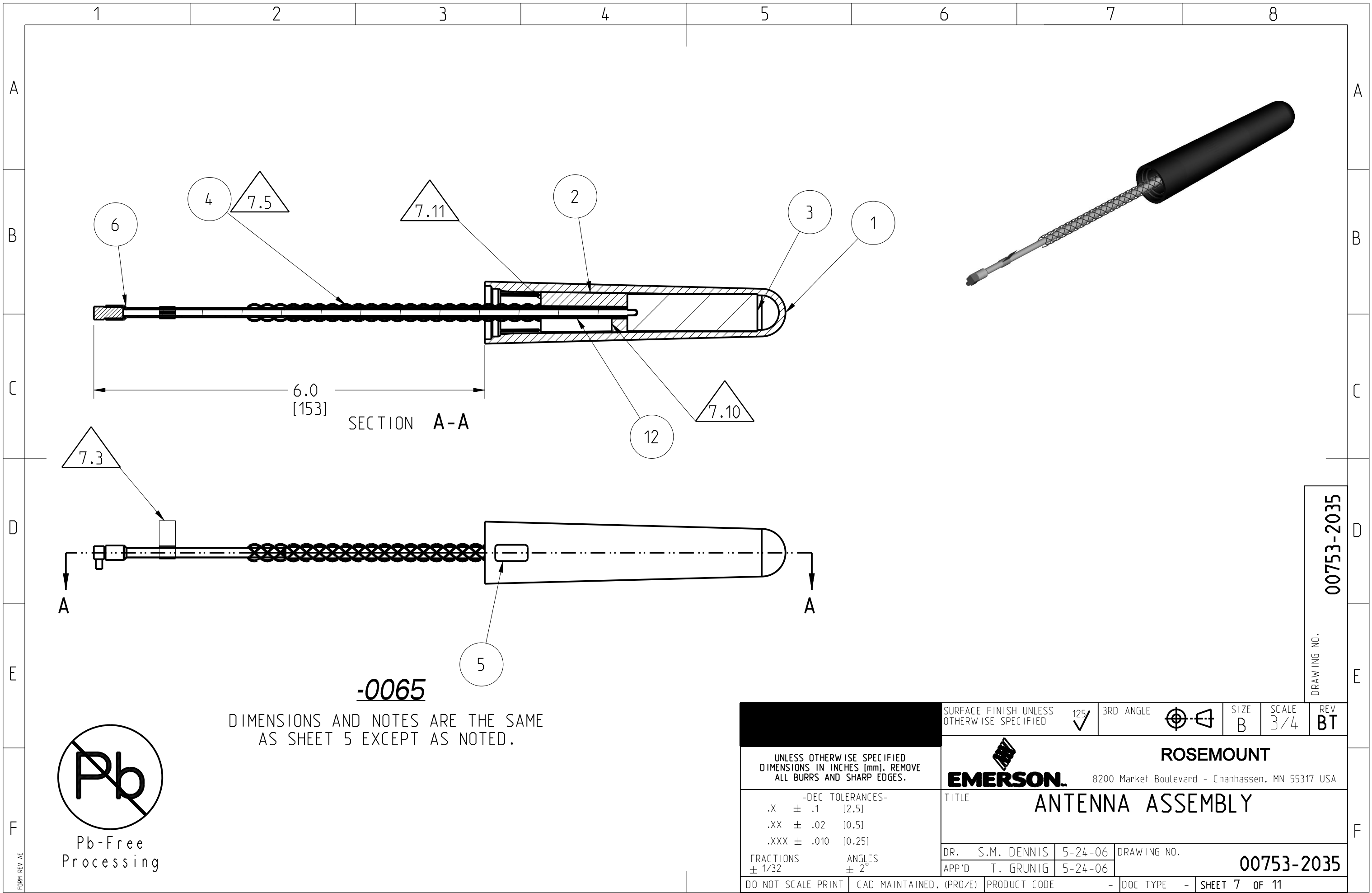
DIMENSIONS AND NOTES ARE THE SAME AS SHEET 2 EXCEPT AS NOTED.



UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES [mm]. REMOVE ALL BURRS AND SHARP EDGES.		SURFACE FINISH UNLESS OTHERWISE SPECIFIED		125	3RD ANGLE		SIZE B	SCALE 3/4	REV BT
-DEC TOLERANCES- .X ± .1 [2.5] .XX ± .02 [0.5] .XXX ± .010 [0.25] FRACTIONS ± 1/32 ANGLES ± 2°		ROSEMOUNT 8200 Market Boulevard - Chanhassen, MN 55317 USA							
TITLE ANTENNA ASSEMBLY		DRAWING NO. 00753-2035							
DO NOT SCALE PRINT		CAD MAINTAINED, (PRO/E)		PRODUCT CODE		DOC TYPE		SHEET 4 OF 11	

DRAWING NO. **00753-2035**

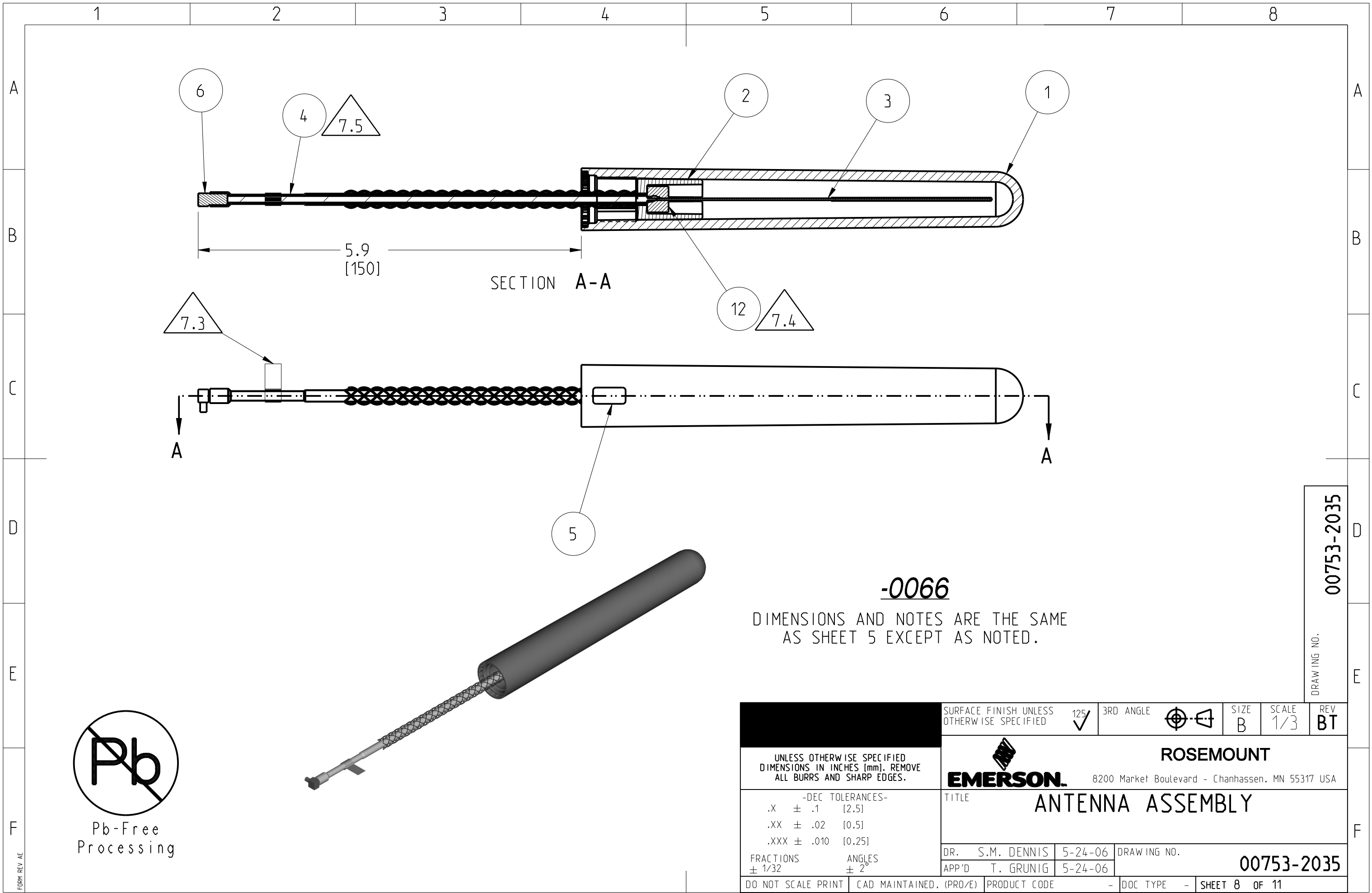


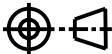


-0065
DIMENSIONS AND NOTES ARE THE SAME
AS SHEET 5 EXCEPT AS NOTED.

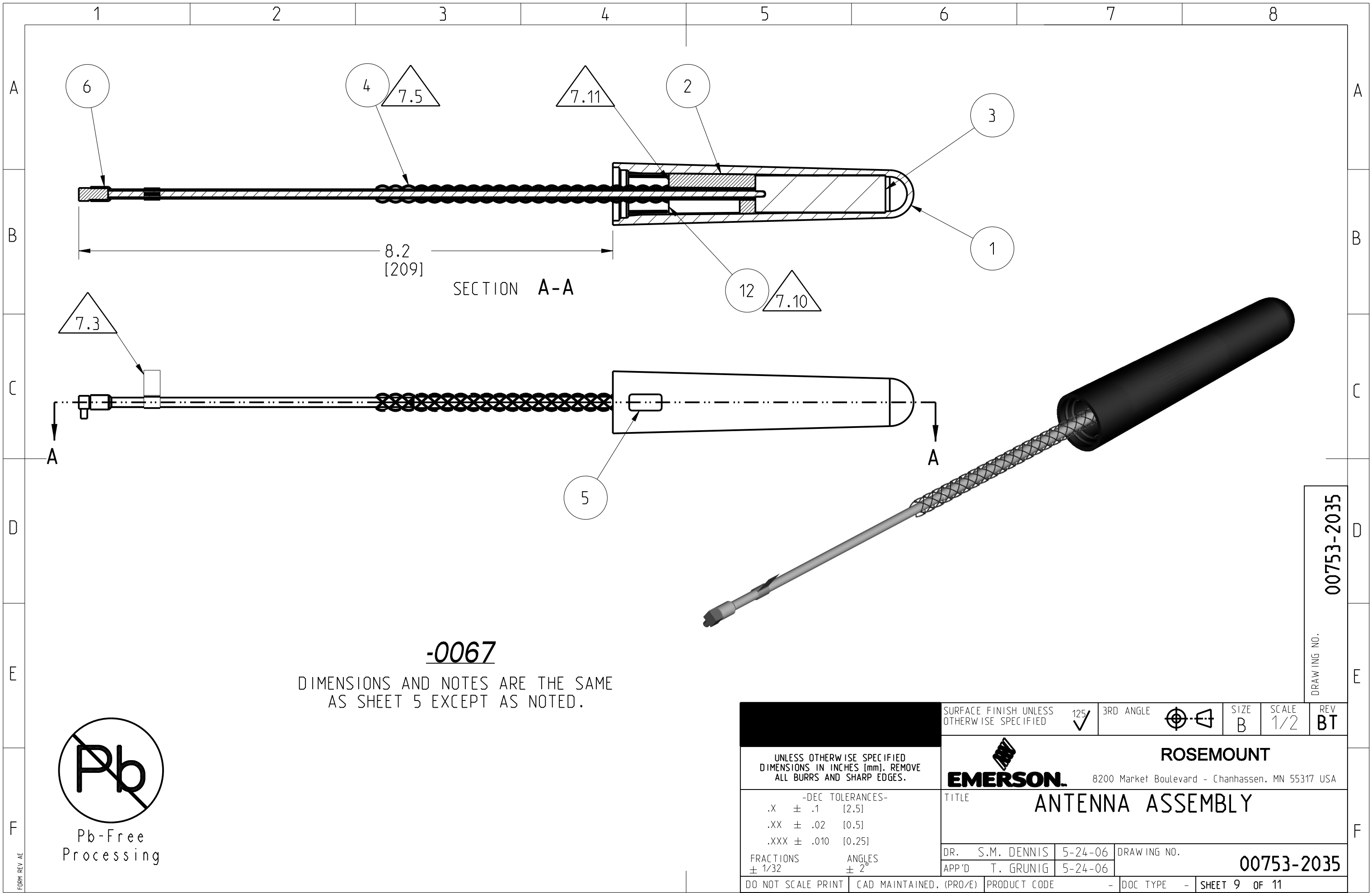
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES (mm). REMOVE ALL BURRS AND SHARP EDGES.		SURFACE FINISH UNLESS OTHERWISE SPECIFIED		125 ✓	3RD ANGLE		SIZE B	SCALE 3/4	REV BT
		EMERSON ROSEMOUNT 8200 Market Boulevard - Chanhassen, MN 55317 USA							
-DEC TOLERANCES- .X ± .1 [2.5] .XX ± .02 [0.5] .XXX ± .010 [0.25] FRACTIONS ± 1/32 ANGLES ± 2°		TITLE ANTENNA ASSEMBLY							
		DR. S.M. DENNIS		5-24-06		DRAWING NO.			
		APP'D T. GRUNIG		5-24-06		00753-2035			
DO NOT SCALE PRINT		CAD MAINTAINED. (PRO/E)		PRODUCT CODE		- DOC TYPE -		SHEET 7 OF 11	

DRAWING NO.
00753-2035



		SURFACE FINISH UNLESS OTHERWISE SPECIFIED		125 ✓	3RD ANGLE 		SIZE B	SCALE 1/3	REV BT
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES [mm]. REMOVE ALL BURRS AND SHARP EDGES.		EMERSON ROSEMOUNT 8200 Market Boulevard - Chanhassen, MN 55317 USA							
-DEC TOLERANCES- .X ± .1 [2.5] .XX ± .02 [0.5] .XXX ± .010 [0.25] FRACTIONS ± 1/32 ANGLES ± 2°		TITLE ANTENNA ASSEMBLY							
		DR. S.M. DENNIS		5-24-06		DRAWING NO.			
		APP'D T. GRUNIG		5-24-06		00753-2035			
DO NOT SCALE PRINT		CAD MAINTAINED. (PRO/E)		PRODUCT CODE		- DOC TYPE -		SHEET 8 OF 11	

DRAWING NO. 00753-2035



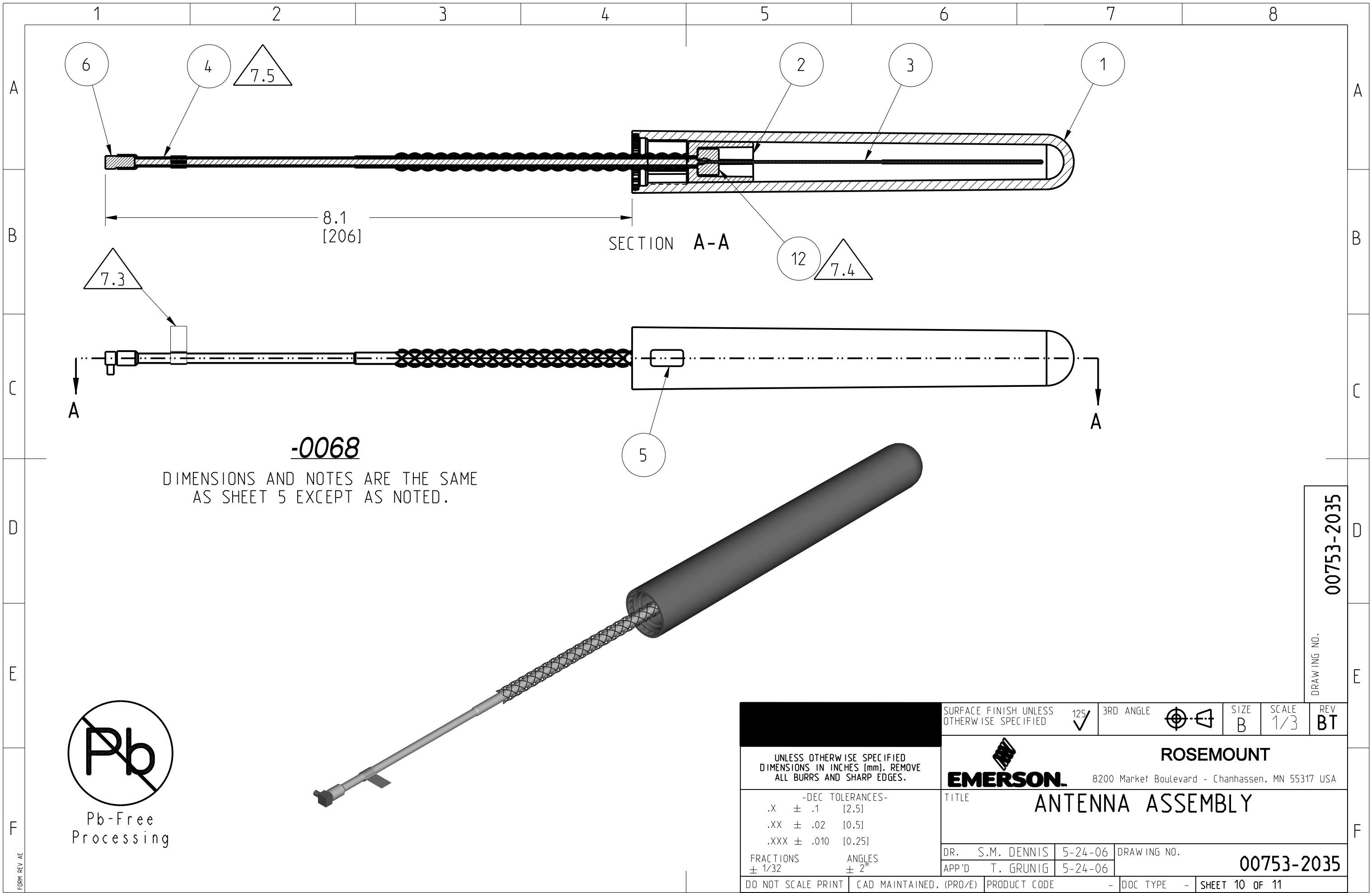
-0067

DIMENSIONS AND NOTES ARE THE SAME
AS SHEET 5 EXCEPT AS NOTED.



		SURFACE FINISH UNLESS OTHERWISE SPECIFIED		125 ✓	3RD ANGLE 		SIZE B	SCALE 1/2	REV BT
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES (mm). REMOVE ALL BURRS AND SHARP EDGES.		 ROSEMOUNT 8200 Market Boulevard - Chanhassen, MN 55317 USA							
		TITLE ANTENNA ASSEMBLY							
-DEC TOLERANCES- . X ± .1 [2.5] . XX ± .02 [0.5] . XXX ± .010 [0.25] FRACTIONS ± 1/32 ANGLES ± 2°		DR. S.M. DENNIS		5-24-06		DRAWING NO.			
		APP'D T. GRUNIG		5-24-06		00753-2035			
DO NOT SCALE PRINT		CAD MAINTAINED. (PRO/E)		PRODUCT CODE		- DOC TYPE -		SHEET 9 OF 11	

DRAWING NO. 00753-2035



UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES (mm). REMOVE ALL BURRS AND SHARP EDGES.		SURFACE FINISH UNLESS OTHERWISE SPECIFIED		125 ✓	3RD ANGLE		SIZE B	SCALE 1/3	REV BT	
		EMERSON ROSEMOUNT 8200 Market Boulevard - Chanhassen, MN 55317 USA								
-DEC TOLERANCES- .X ± .1 [2.5] .XX ± .02 [0.5] .XXX ± .010 [0.25] FRACTIONS ± 1/32 ANGLES ± 2°		TITLE ANTENNA ASSEMBLY								
		DR. S.M. DENNIS		5-24-06		DRAWING NO.			00753-2035	
		APP'D T. GRUNIG		5-24-06						
DO NOT SCALE PRINT		CAD MAINTAINED. (PRO/E)		PRODUCT CODE		-	DOC TYPE	-	SHEET 10 OF 11	

DRAWING NO. 00753-2035

	1	2	3	4	5	6	7	8													
A									A												
B									B												
C									C												
D									D												
E	7.2. ANTENNA TYPE: COLLINEAR ARRAY OF DIPOLES 7.1. ELECTRICAL CHARACTERISTICS BETWEEN 2.4000 TO 2.4835 GHz: 100% VSWR TEST REQUIRED. ▽ <table><tr><th>DASH NO.</th><th>VSWR LIMIT</th><th>NOMINAL IMPEDANCE</th><th>GAIN NOMINAL</th></tr><tr><td>-0054</td><td>2.2:1 MAX</td><td>50Ω</td><td>4.5 dBi</td></tr><tr><td>-0064/-0066/-0068</td><td>1.9:1 MAX</td><td>50Ω</td><td>4.5 dBi</td></tr></table>								DASH NO.	VSWR LIMIT	NOMINAL IMPEDANCE	GAIN NOMINAL	-0054	2.2:1 MAX	50Ω	4.5 dBi	-0064/-0066/-0068	1.9:1 MAX	50Ω	4.5 dBi	E
DASH NO.	VSWR LIMIT	NOMINAL IMPEDANCE	GAIN NOMINAL																		
-0054	2.2:1 MAX	50Ω	4.5 dBi																		
-0064/-0066/-0068	1.9:1 MAX	50Ω	4.5 dBi																		
F	NOTES:								F												

FORM REV AE

UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN INCHES [mm]. REMOVE
ALL BURRS AND SHARP EDGES.

-DEC TOLERANCES-

.X ± .1 [2.5]

.XX ± .02 [0.5]

.XXX ± .010 [0.25]

FRACTIONS ± 1/32

ANGLES ± 2°

EMERSON

ROSEMOUNT

8200 Market Boulevard - Chanhassen, MN 55317 USA

TITLE

ANTENNA ASSEMBLY

DR. S.M. DENNIS5-24-06

APP'D T. GRUNIG5-24-06

DRAWING NO.

00753-2035

DO NOT SCALE PRINT

CAD MAINTAINED. (PRO/E)

PRODUCT CODE

-

DOC TYPE

-

SHEET 11 OF 11

125

✓

SURFACE FINISH UNLESS
OTHERWISE SPECIFIED

3RD ANGLE

SIZE B

SCALE 3/4

REV BT

DRAWING NO.

00753-2035