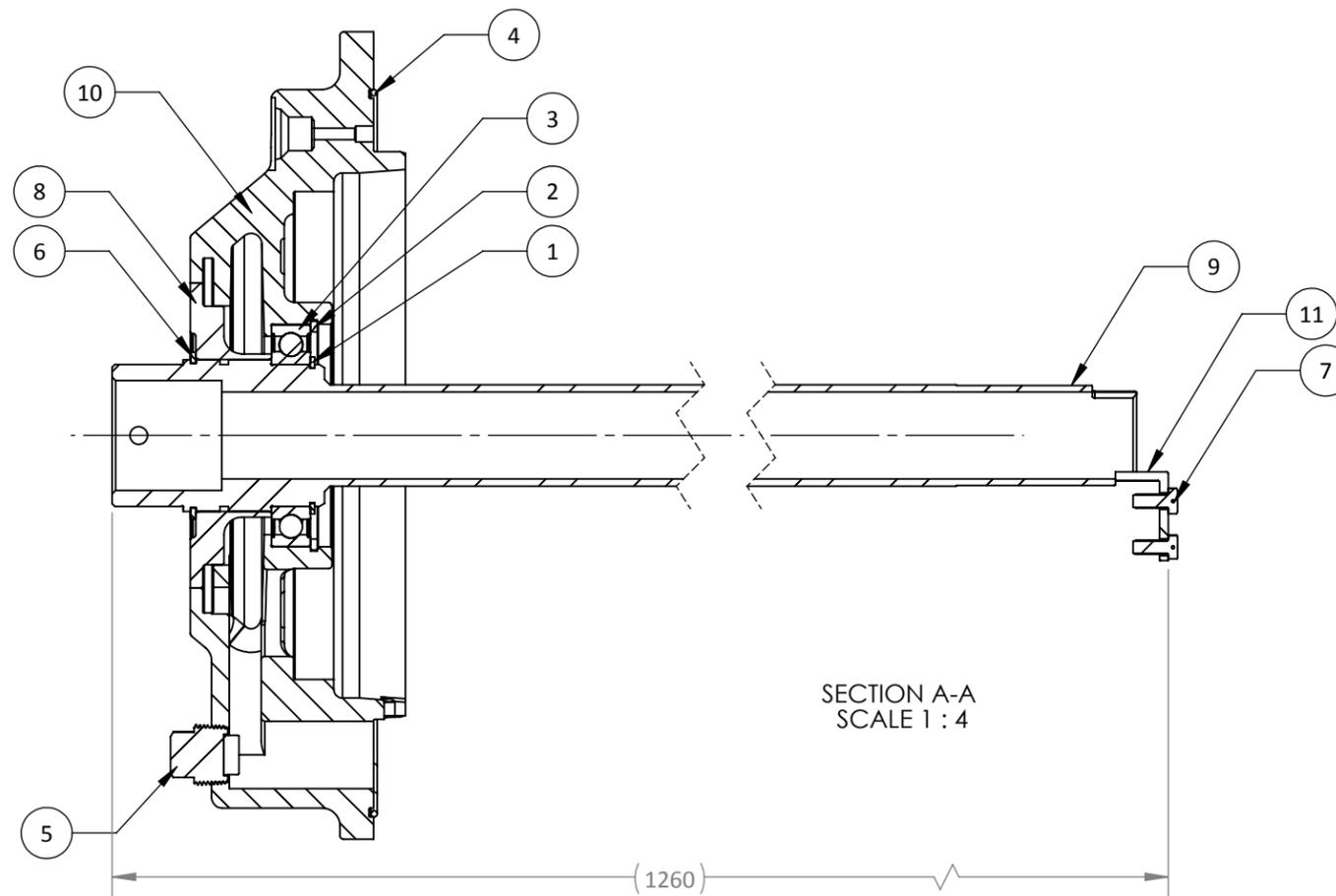
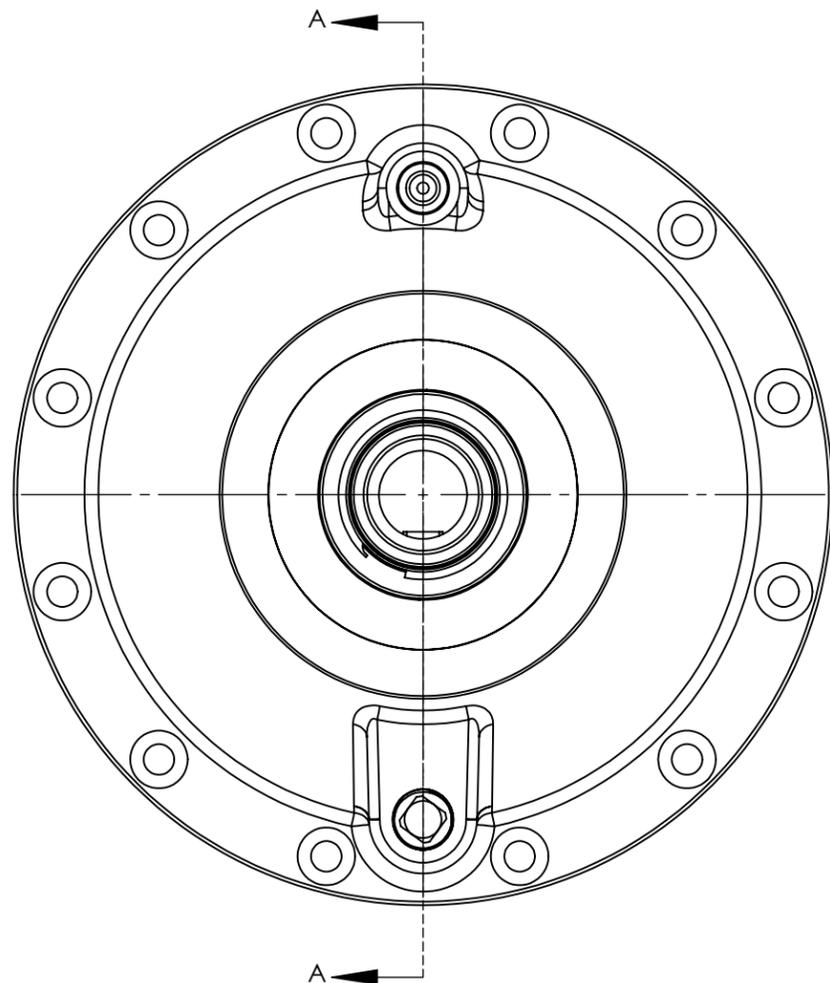


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	90965	SNAP RING, EXTERNAL (SMALLEY FS-080)	1
2	90966	INTERNAL SNAP RING FH-125	1
3	93235	BEARING, DEEP GROOVE BALL w/SEALS	1
4	93240	SEAL, O RING 3.53 DIA X 1228.5	1
5	95398	PLUG, 1.0" NPT w/ MAGNET	1
6	97066	SNAP RING (SMALLEY FS-085)	1
7	98225	HEX HD CAPSCREW, M8x20, DRILLED HD, GRADE 5	2
8	251333	SEAL, END COVER	1
9	251400	PILOT TUBE	1
10	254496	LSS END COVER (MACHINED)	1
11	254781	PILOT TUBE ANTI ROTATION BRACKET	1



MADE BASED ON 1509-AS-008-B

REPORT ERRORS & CHANGES  
 REMOVE ALL BURRS AND SHARP EDGES  
 DIMENSIONS ARE IN MILLIMETERS.  
 UNSPECIFIED TOLERANCES:  
 DECIMALS: FINISH: ANGLES:  
 X. ±1.0 6.3 / μm Ra < ± 0.5°  
 .X ±0.5  
 .XX ±0.25

**National Renewable Energy Laboratory**

TITLE: PILOT TUBE ASSEMBLY

REV	CHANGED FROM	BY	DATE	APRD
A	PRE-RELEASE	CPS	2/13/13	
B	RELEASE FOR PRODUCTION	CPS	4/22/13	
C	CHANGES PER MANUFACTURER DRW REVIEW	CPG	11/21/13	

NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OR MACHINERY  
 DRAWN: CPS DATE: 2/13/13  
 CHECKED: NJB THIRD ANGLE PRJ

SIZE: **B** DWG. NO. 254782 REV: **C**  
 SCALE: 1:12 WEIGHT: 46.46 kgs SHEET 1 OF 1