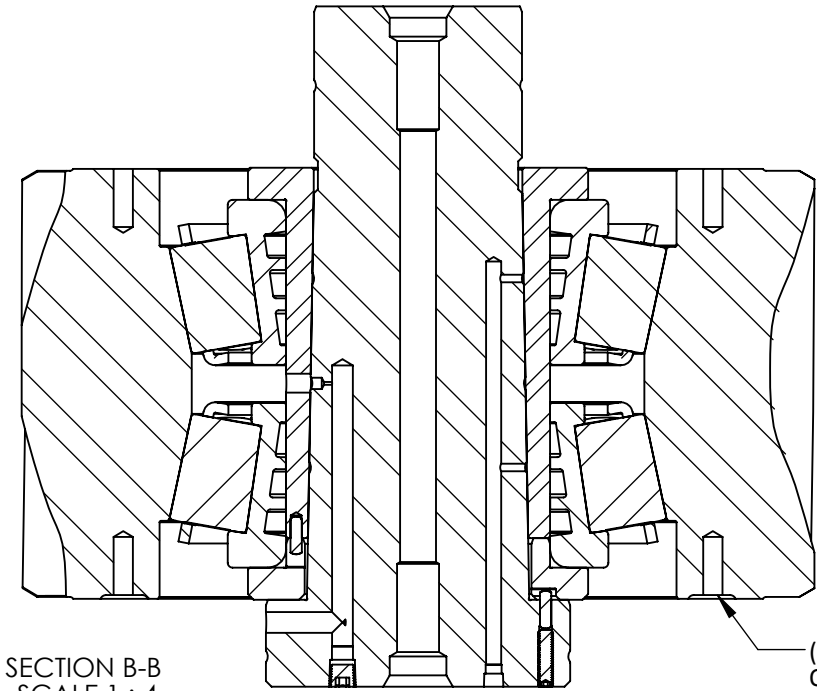


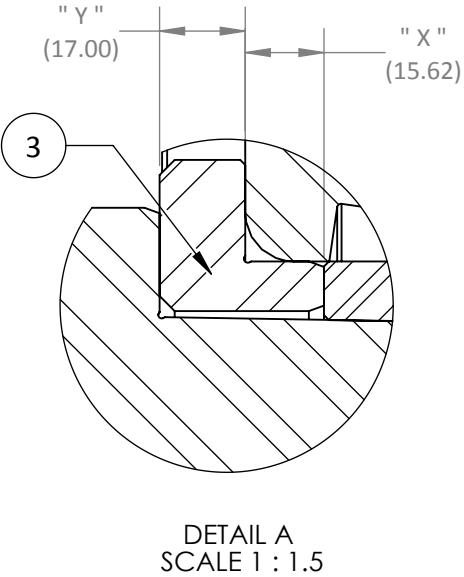
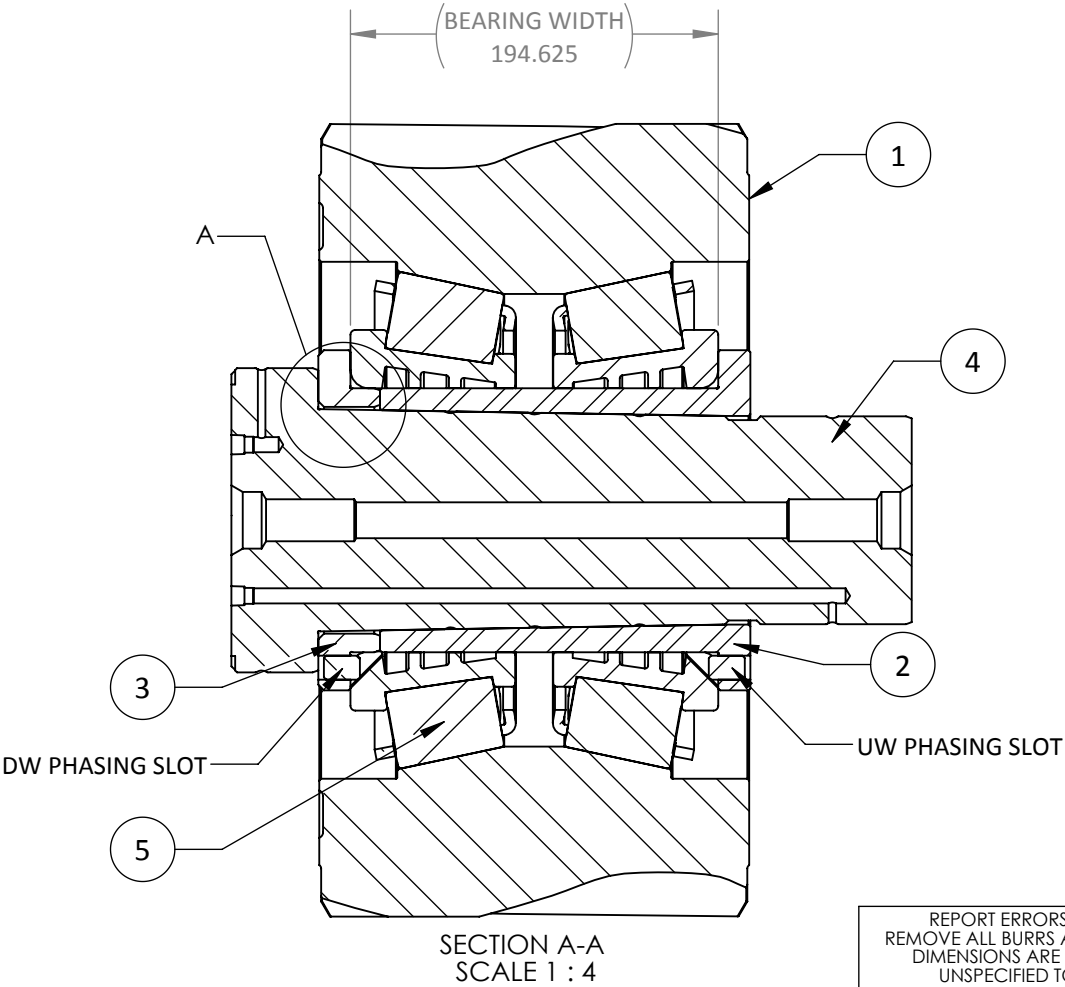
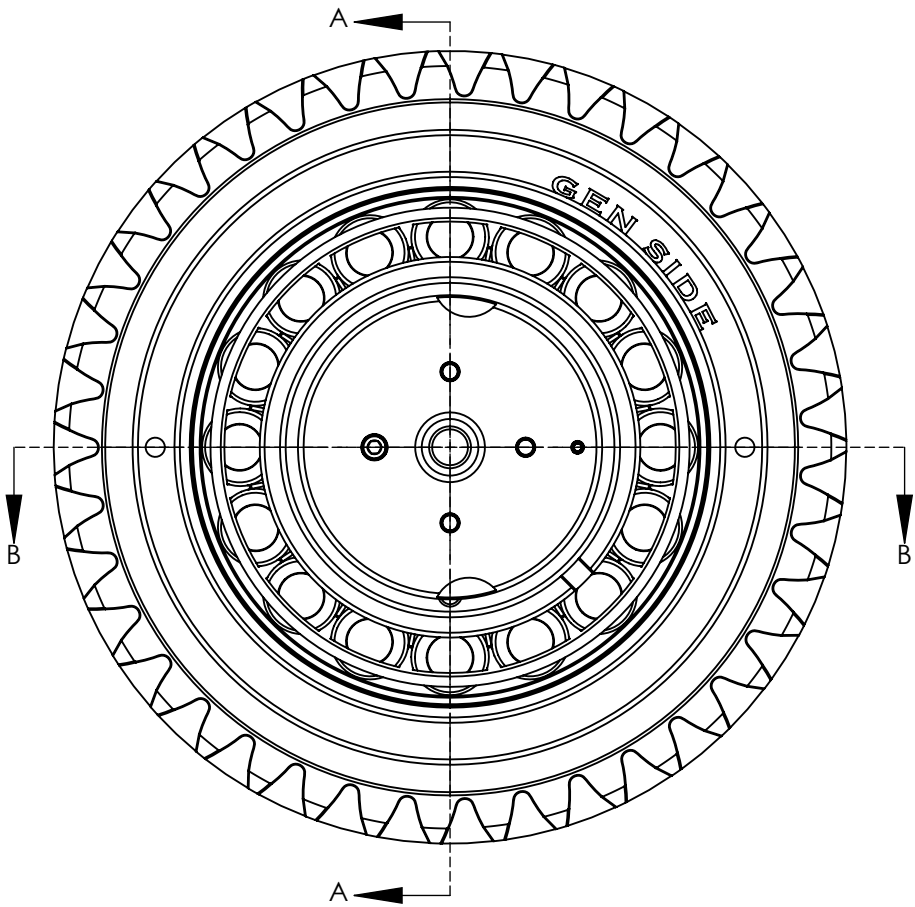
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	254504	PLANET GEAR	1
2	254710	SLEEVE ASS'Y, PLANET PIN BEARING	1
3	254711	RETAINER ASS'Y, PLANET PIN BEARING	1
4	254712	PIN ASS'Y, PLANET CARRIER	1
5	254786	BEARING ASS'Y, PLANET GEAR (CARRIER)	1

NOTES

1.
- THREE UNIQUE ASSEMBLIES REQUIRED - A, B & C - EACH WILL HAVE BESPOKE SETTINGS FOR FACES "X" AND "Y" ON ITEM #3 TO ACHIEVE PROPER BEARING PRE-LOAD BASED ON MFG RECOMMENDATION.
2.
- FOR ASSEMBLY, SEE DOCUMENT 1509-DC-035 PLANET STAGE ASSEMBLY PROCEDURE.
3.
- ITEMS IN EACH ASSY WILL REQUIRE A UNIQUE IDENTIFYING CODE.
4.
- INSTRUMENTATION TO BE COMPLETED PRIOR TO ASSEMBLY PER LAYOUT DRAWINGS 1551-LY-201, 1551-LY-202, 1551-LY-203, AND 1551-LY-204.
5.
- THE PLANET GEAR ASSEMBLY WITH THE MOST INSTRUMENTATION SHALL BE DESIGNATED AS UNIQUE ASSEMBLY "B" AND MUST BE INSTALLED INTO PLANET STATION "B" OF THE CARRIER.



BRG LUB OIL CIRCUIT FEATURES



MAKE FROM MODEL 1509-AS-009-B

REV	CHANGED FROM	BY	DATE	APRD
B	CHANGES PER NREL DRW REVIEW, UPDATE BORDER	CPS	3/12/13	
C	RELEASE FOR PRODUCTION	CPS	4/19/13	
D	CHANGES PER MANUFACTURER REVIEW AND INSTRUMENTATION	CPG	3/19/14	
E	CHANGES PER MFG REVIEW	CPG	1/18/16	

REPORT ERRORS & CHANGES REMOVE ALL BURRS AND SHARP EDGES DIMENSIONS ARE IN MILLIMETERS. UNSPECIFIED TOLERANCES: DECIMALS: FINISH: ANGLES:		
X. ±1.0 .X ±0.5 .XX ±0.25	6.3 √ μm Ra	≤ ± 0.5°
COPYRIGHT © NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OR MACHINERY		
DRAWN	CPS	DATE: 1/14/13
CHECKED	NJB	THIRD ANGLE PRJ

National Renewable Energy Laboratory		
TITLE: PLANET GEAR ASS'Y (CARRIER)		
SIZE B	DWG. NO. 254595	REV E
SCALE: 1:4	WEIGHT: 198.95 kgs	SHEET 1 OF 1