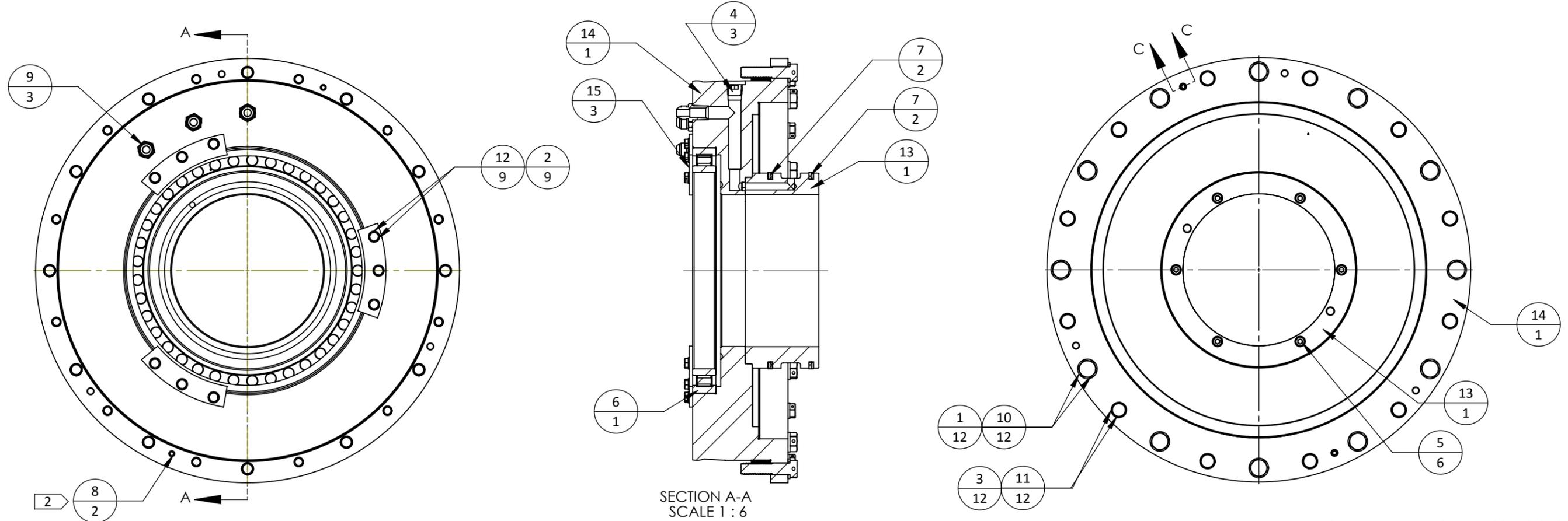


2X SECTION C-C  
SCALE 1 : 2

ITEM NO.	PART NUMBER	DESCRIPTION	Default /QTY.
1	90039	WASHER, HD FLAT, M16 x 28 x 3.0	12
2	90097	WASHER, FLAT,PLAIN, STEEL,M8	9
3	90669	WASHER, HD FLAT,M12 x 22 X 2.5	12
4	90676	PLUG, 1/2-NPT, SOC HD	3
5	90967	SOC HD CAPSCREW, M8x110, GR 8	6
6	93232	BEARING, SINGLE CYL ROLLER (LSS-A)	1
7	97156	FEY RING SEAL	2
8	98219	PIN, METRIC SPRING, M8x26	2
9	98221	CONNECTOR, MALE, 1/2-NPT TO 1/2-TUBE	3
10	98223	HEX HD CAPSCREW, M16 x 70, DRILLED HD, GRADE 5	12
11	98224	HEX HD CAPSCREW, M12 x 55, DRILLED HD, GRADE 5	12
12	98225	HEX HD CAPSCREW, M8x20, DRILLED HD, GRADE 5	9
13	254498	MANIFOLD, RADIAL	1
14	254513	CARRIER ADAPTER RING	1
15	254780	PLATE, RETAINING, LSS-A	3



SECTION A-A  
SCALE 1 : 6

MODEL MADE FROM: 1509-AS-013-A

NOTES:

1. APPLY LOCTITE 577 THREAD SEALANT ON ALL THREADS AND APPLY PER MANUFACTURER'S INSTRUCTIONS.
2. DURING ASSEMBLY TO REAR HOUSING (254492), AFTER TIGHTENING PROCEDURE REMOVE ITEM 8 (QTY 2).

REV	CHANGED FROM	BY	DATE	APRD
A	PRE-RELEASE	CPS	2/14/13	
B	RELEASE FOR PRODUCTION	CPS	4/22/13	
C	CHANGES PER MFG REVIEW	CPG	3/14/16	

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  $\sqrt{\mu\text{m Ra}}$   $\leq \pm 0.5^\circ$

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OTHER DRAWINGS OR MACHINERY

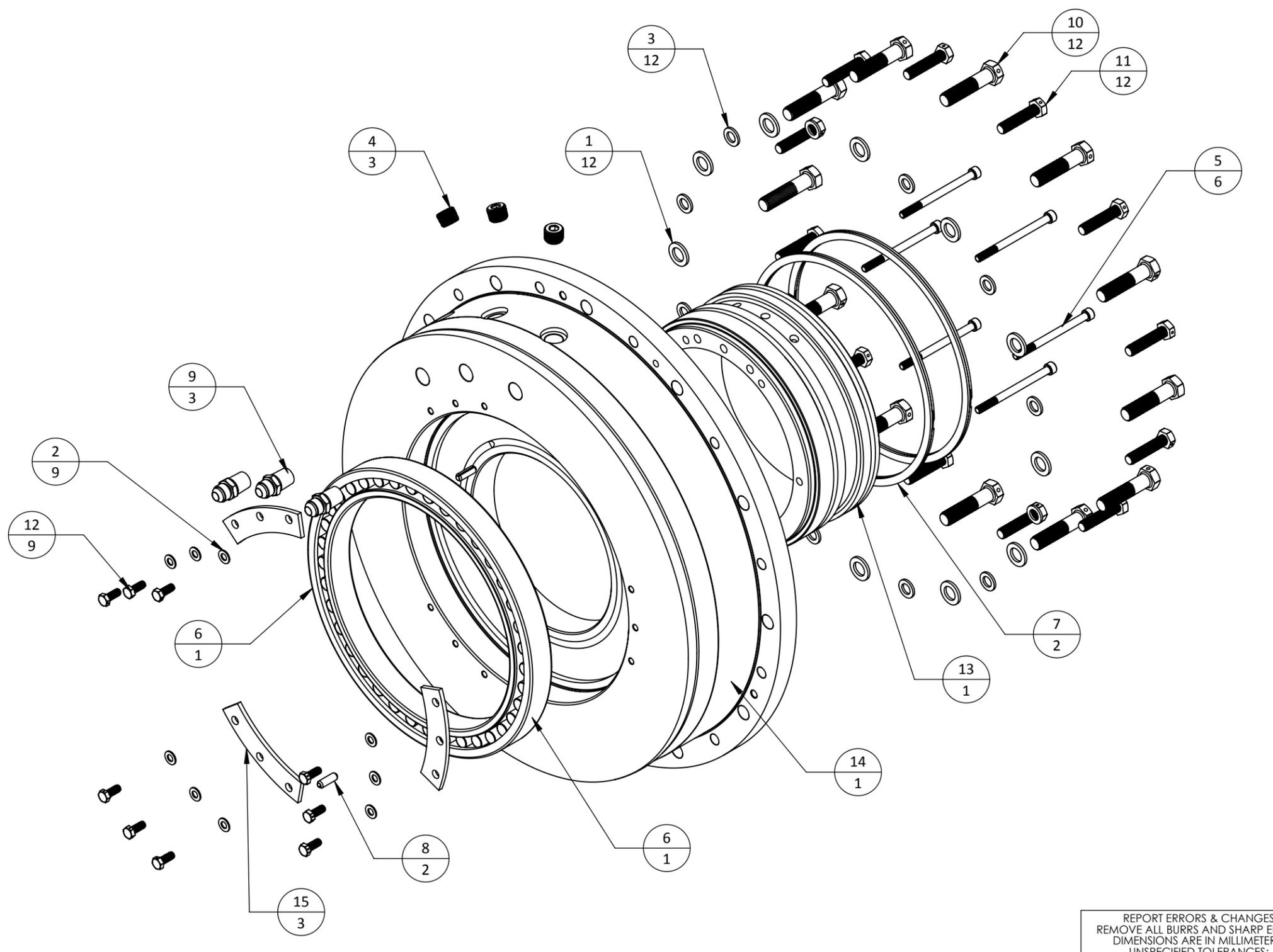
DRAWN CPS DATE: 2/14/13  
CHECKED NJB THIRD ANGLE PRJ

**National Renewable Energy Laboratory**

TITLE: CARRIER ADAPTOR SUB ASS'Y

SIZE **B** DWG. NO. 254784 REV **C**

SCALE: 1:5 WEIGHT: 158.88 kgs SHEET 1 OF 2



REPORT ERRORS & CHANGES  
 REMOVE ALL BURRS AND SHARP EDGES  
 DIMENSIONS ARE IN MILLIMETERS.  
 UNSPECIFIED TOLERANCES:  
 DECIMALS: FINISH: ANGLES:  
 X. ±1.0 6.3  $\sqrt{\mu\text{m Ra}}$   $\leq \pm 0.5^\circ$   
 .X ±0.5  
 .XX ±0.25  
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 OTHER DRAWINGS OR MACHINERY  
 DRAWN CPS DATE: 2/14/13  
 CHECKED NJB THIRD ANGLE PRJ

<b>National Renewable Energy Laboratory</b>		
TITLE: <b>CARRIER ADAPTOR SUB ASS'Y</b>		
SIZE <b>B</b>	DWG. NO. <b>254784</b>	REV <b>C</b>
SCALE: 1:20		WEIGHT: 158.88 kgs
SHEET 2 OF 2		