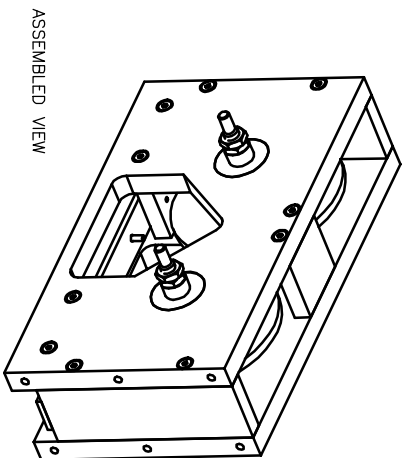
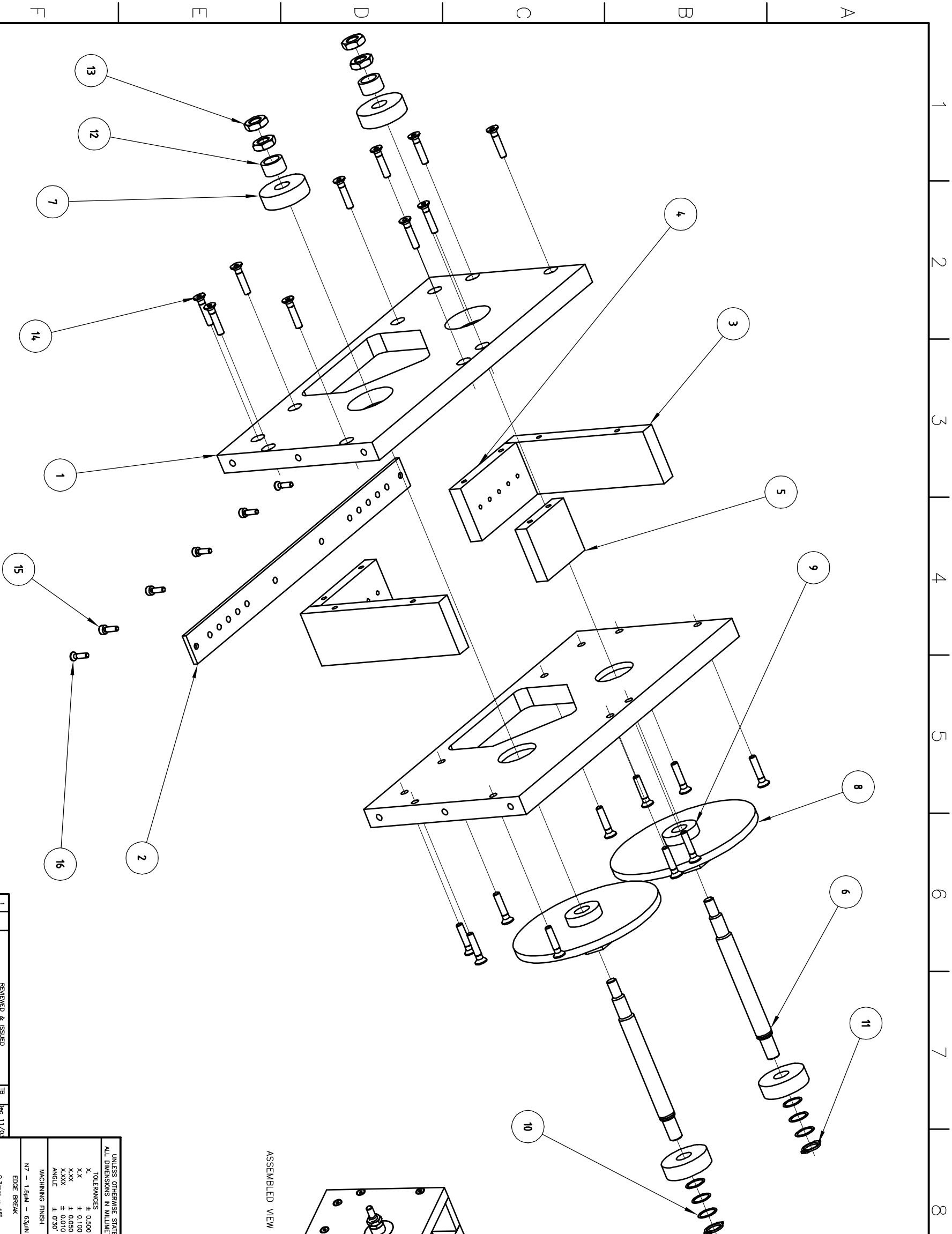
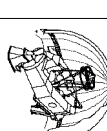


ITEM	QTY.	DESCRIPTION	MATERIAL	NOTE
1	2	Dwg-2111 : Face Plate	XX	
2	1	Dwg-2112 : K Spring Flexure	XX	
3	2	Dwg-2113 : Spacer Plate #1	XX	
4	2	Dwg-2114 : Spacer Plate #2	XX	
5	1	Dwg-2115 : Spacer Plate #3	XX	
6	1	Dwg-2116 : D Axis Shaft	XX	
7	4	BEARINGS:	St. Steel	
		KOYO Part #xxxxxxxxxxxx		
8	2	SPUR GEAR:	St. Steel	
		Stock Drive #S12N05M19250510		
9	2	TRANTORQUE:	XX	
		Fenner Drive : #6202700		
10	6	SHAFT SPACER:	St. Steel	
		Nordex #BDS-M6-4		
11	2	RETAINING CLIP:	St. Steel	
		Nordex #DRS-M2-8		
12	2	SHAFT SPACER:	ALUM 6061	
		Stock Drive #ATGBMC1016050		
13	4	HEX NUT M8	St. Steel	
14	20	HEX SOCKET COUNTER-SUNK	St. Steel	
15	4	HEX SHCS : M3 x 10	St. Steel	
16	2	HEX SOCKET COUNTER-SUNK	St. Steel	
		HEAD SCREW : M3 x 12		



NOTES:  
 1 REMOVE ALL BURRS AND SHARP EDGES

UNLESS OTHERWISE STATED ALL DIMENSIONS IN MILLIMETERS		TOLERANCES	
X	± 0.500	X.X	± 0.100
X.XX	± 0.050	X.XXX	± 0.010
ANGLE	± 0.30°		
MACHINING FINISH		N7 - 1.8µM - 63µIN	
EDGE BREAK		0.3mm x 45°	
PROJECT		 NASA INFRARED TELESCOPE FACILITY Institute for Astronomy University of Hawaii 2680 Woodlawn Drive Honolulu, HI, 96822	
TITLE		TCS3 LAB MODEL Crankcase Assembly Overall	
DESIGNED TB	DATE	DRAWN TB	DATE
Dec 03	Dec 03	CHECKED TB	DATE
		SCALE	DWG. No.
		1:2	2110
		REV	1.0

1	REVISED & ISSUED	TB	Dec 11/03
REV LOC	DESCRIPTION	BY	DATE
REVISION			