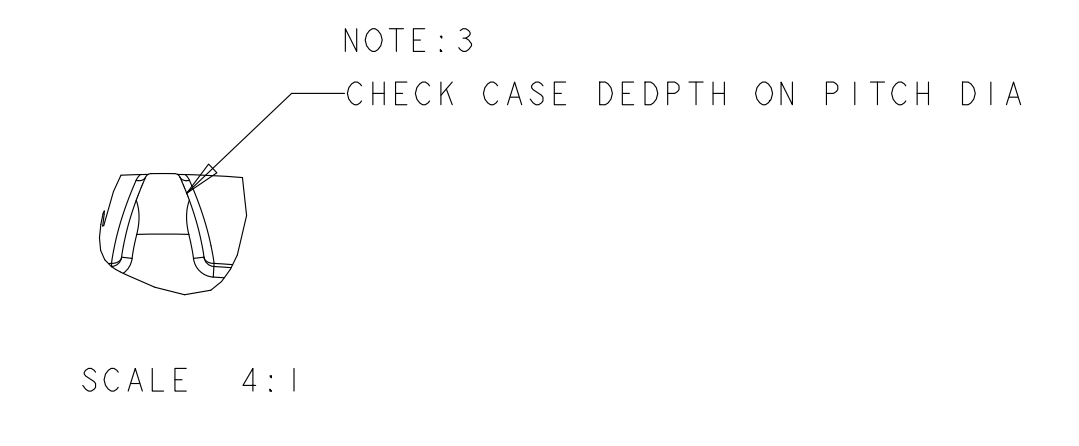
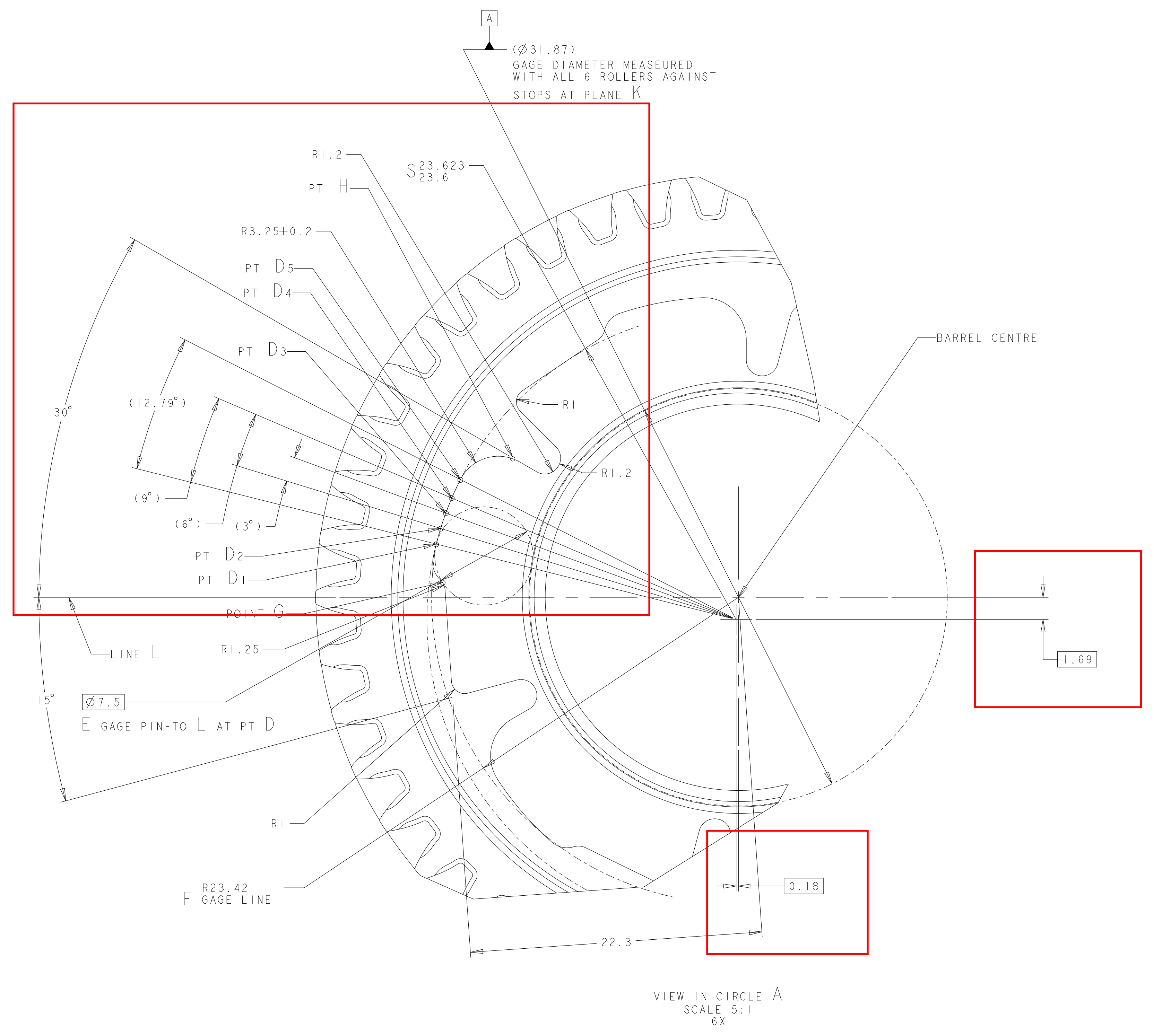
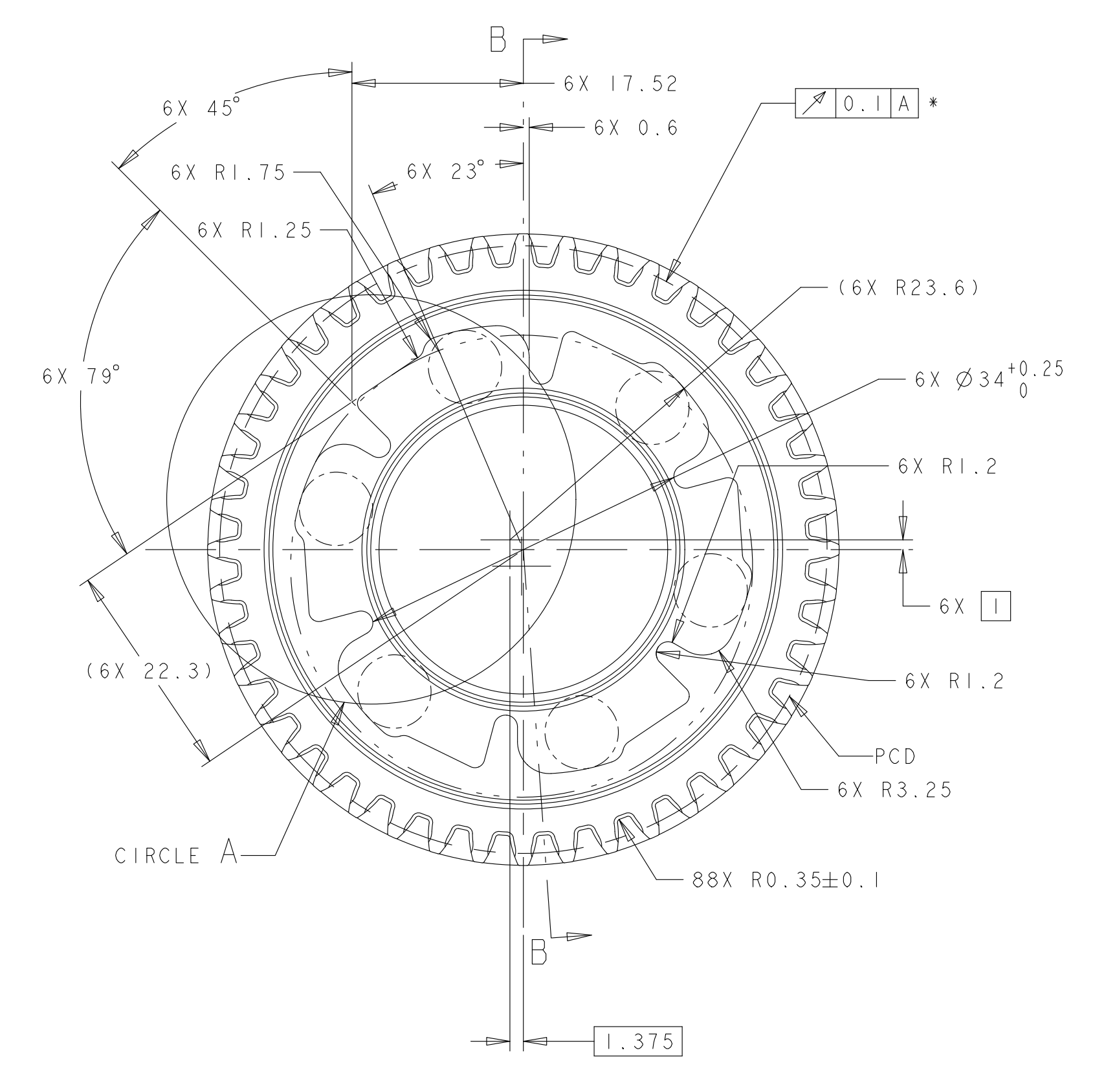
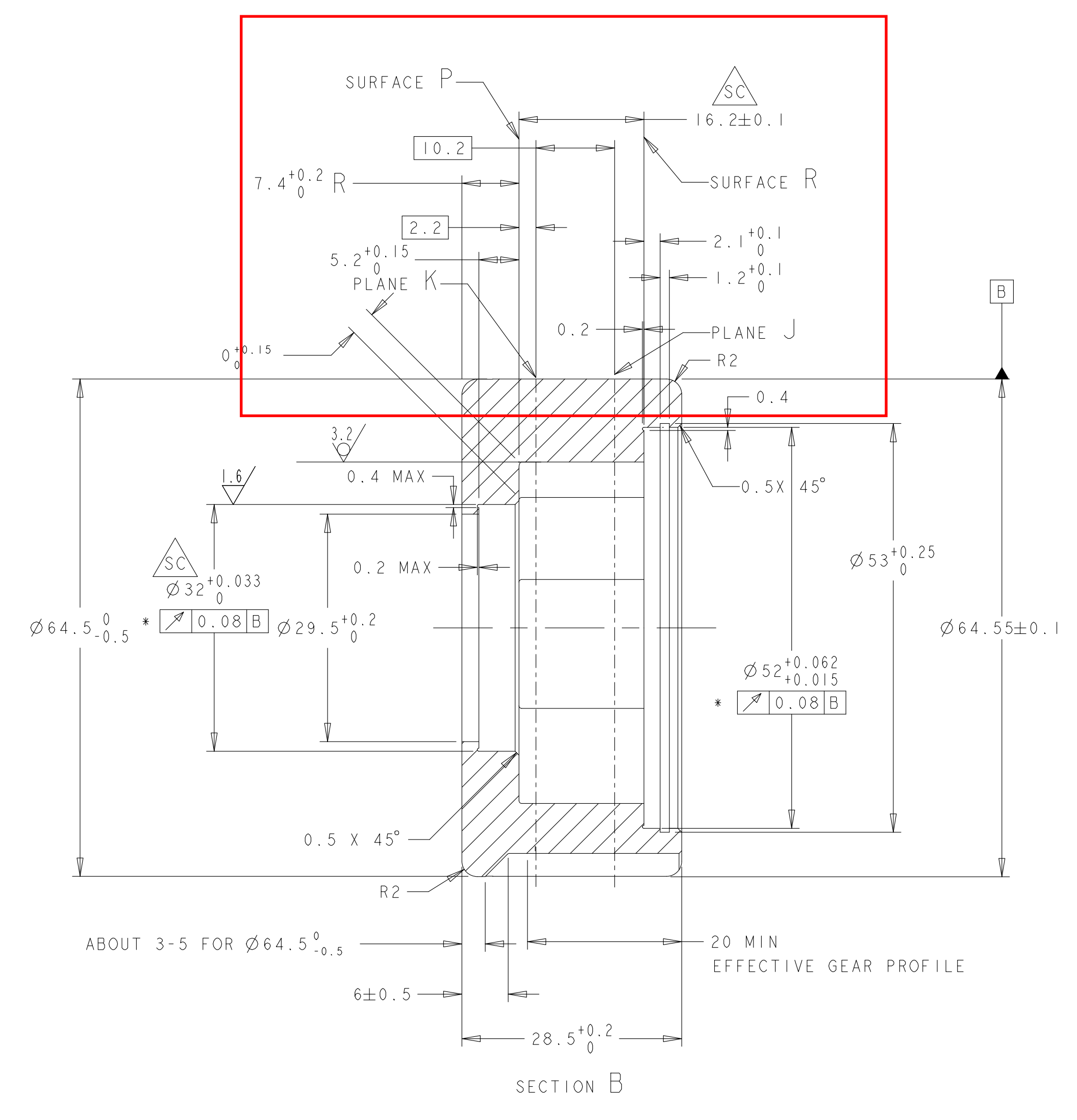
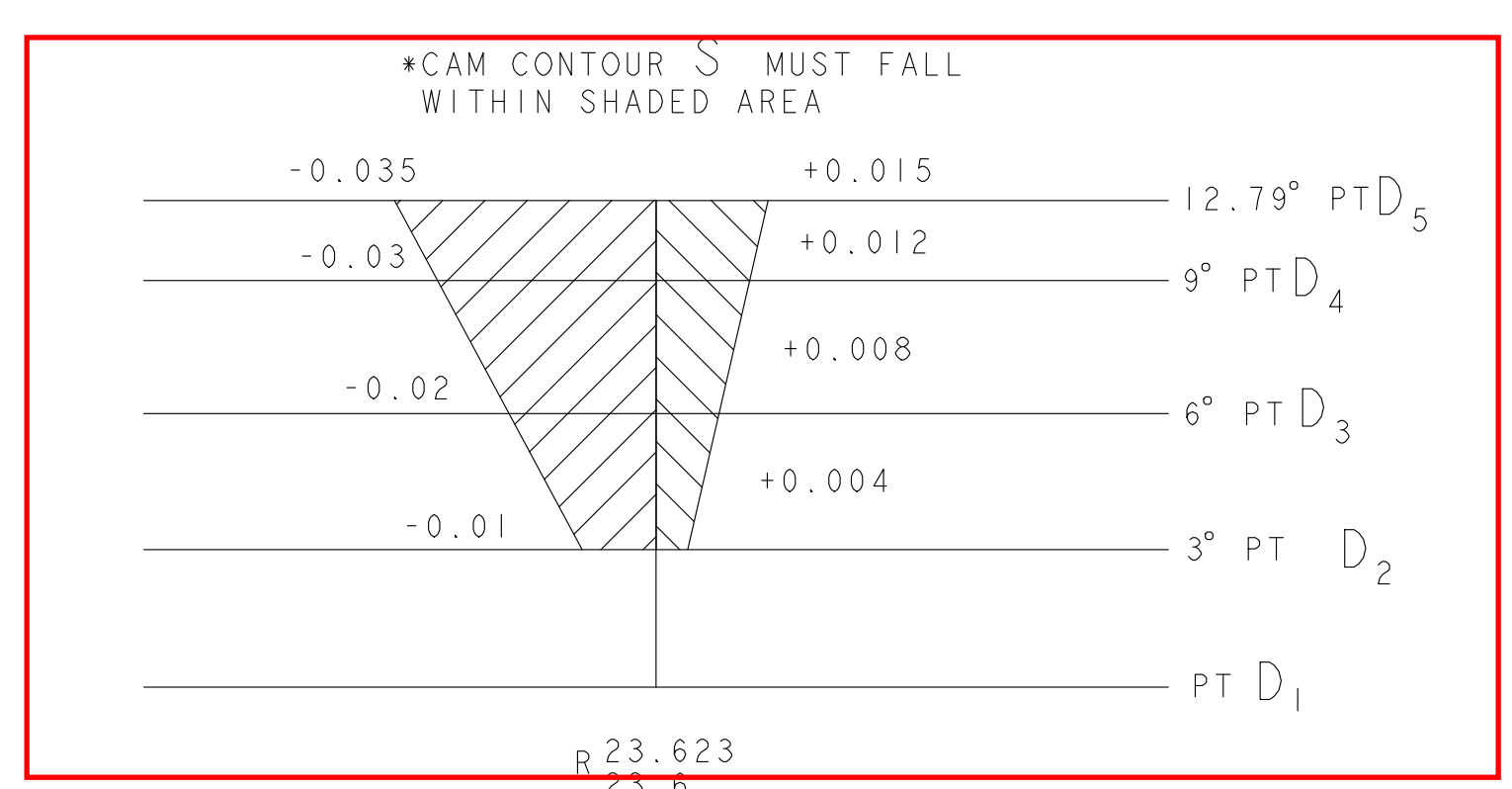


LTRS		REVISIONS	
ORIGINATOR	REVIEWER	ENGR APP	MATL APP
RELEASED	DF00 E 50022996 1525	20190903	
SRAMU	TRAJKUMAR	RVASANT	NDSENTH



GEAR DATA	
NUMBER OF TEETH	44
DIAMETRAL PITCH	18.0
MODULE	1.411
PRESSURE ANGLE	20°
PITCH DIAMETER	62.084
TIP DIAMETER	64.55±0.1
ROOT DIAMETER	58.5±0.12
CIRCULAR TOOTH THICKNESS AT PITCH DIAMETER REF	2.0
DISPLACEMENT OVER 5 TEETH	0.1 MAX WITH DATUM A
TOOTH SPACING ERROR	0.1 MAX WITH DATUM A
PRECISION GRADE	AFTER HEAT TREATMENT TO GRAD DIN 3962



UNLESS OTHERWISE SPECIFIED  
MACHINED DIM: ALL DIM±0.25  
ANGULAR DIM±1°  
FOR CURRENT RELEASE STATUS SEE THE COMSTAR ENGINEERING NOTICE  
DRAFTED IN ACCORDANCE WITH COMSTAR CAD ENGINEERING STANDARDS VERSION 1.0  
REMOVE ALL BURRS  
SURFACE P MUST BE FREE OF SEAMS  
DIMENSION R SHALL BE MEASURED FROM HIGH POINT ON SURFACE P  
\*RUNOUT TO BE CHECKED USING [Ø31.685] ROLL AND [Ø7.5] GAGE PINS  
DATUM ØA MEASURED AT PLANE K MUST NOT EXCEED DATUM ØA MEASURED AT PLANE J BY MORE THAN 0.05 WEIGHT: 367 g (APPROX)  
CHANGES AFFECTING DESIGN, COMPOSITION OR PROCESSING OF THE PART PREVIOUSLY APPROVED FOR PRODUCTION REQUIRE PRIOR APPROVAL FROM COMSTAR PRODUCT ENGINEERING. REFER TO IATF 16949 (LATEST)  
ENGINEERING APPROVAL OF PRODUCTION SAMPLES FROM EACH SUPPLIER IS REQUIRED PRIOR TO AUTHORIZATION OF INITIAL PRODUCTION

MATERIAL LIST	
MATERIAL MUST CONFORM TO:	
ALLOY STEEL PER SAE J404	
GRADE 8615 MODIFIED (C: 1-0.14)	
ALT: EN10084; 2008 GRADE 20MnCr5	
HEAT TREATMENT	
GAS CARBURIZE PER HT4-1	
CASE DEPTH 0.45-0.8 (HV513)	
CASE HARDNESS 79-82.5 HRA	
CORE HARDNESS 32-48 HRC	
RETAINED AUSTENITE IN CASE: 10% MAX	

THIS DRAWING AND ANY INTELLECTUAL PROPERTY RIGHTS THEREIN ARE PROPERTY OF COMSTAR AND NO LICENSES ARE GRANTED UNDER THOSE RIGHTS			
OPERATION	UNIT	PLANT	SAFETY
DRAFTED IN ACCORDANCE WITH COMSTAR ENGINEERING CAD STANDARDS CURRENT AT INITIAL RELEASE		MUST COMPLY WITH COMSTAR AND APPLICABLE OEM RESTRICTED SUBSTANCE MANAGEMENT STANDARDS	
INITIAL ORIGINATOR	DATE	INITIAL REVIEWER	DATE
SRAMU	20190903	TRAJKUMAR	20190903
INITIAL ENGINEER	DATE	INITIAL ENGINEER	DATE
SRAMU	20190903	RVASANT	20190903
3RD ANGLE PROJ	CUSTOMER DATA TYPE	SCALE: 2:1	UNITS: mm
	CUSTOMER NUMBER	SHT 1 OF 3 RH/LH:	P-RELEASE: A1000493
NAME		DIM IS MASTER	
BBL-STR MTR DRV			
CAD FILE	CPT7C3U-11376-D		
DWG FILE	CPT7C3U-11376-D		
DATA LOC	WINDCHILL PDM	DATA TYPE	
PRODUCT NUMBER	STARTER	PRO/E	
CP7C3U-11376-DA			

NUMBER OF SIGNIFICANT CHARACTERISTICS-05