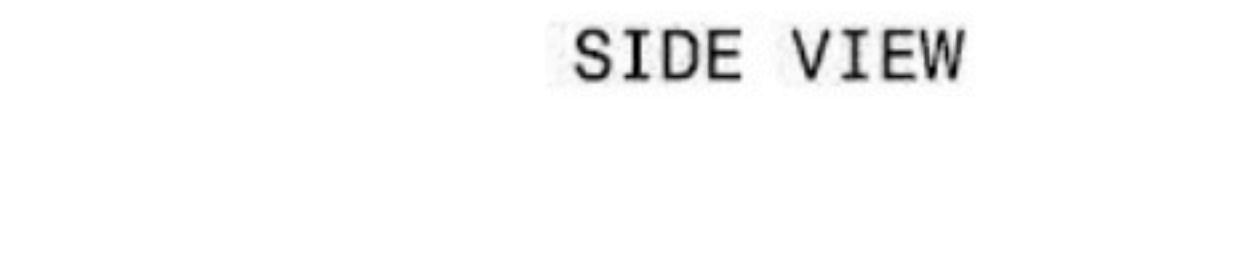
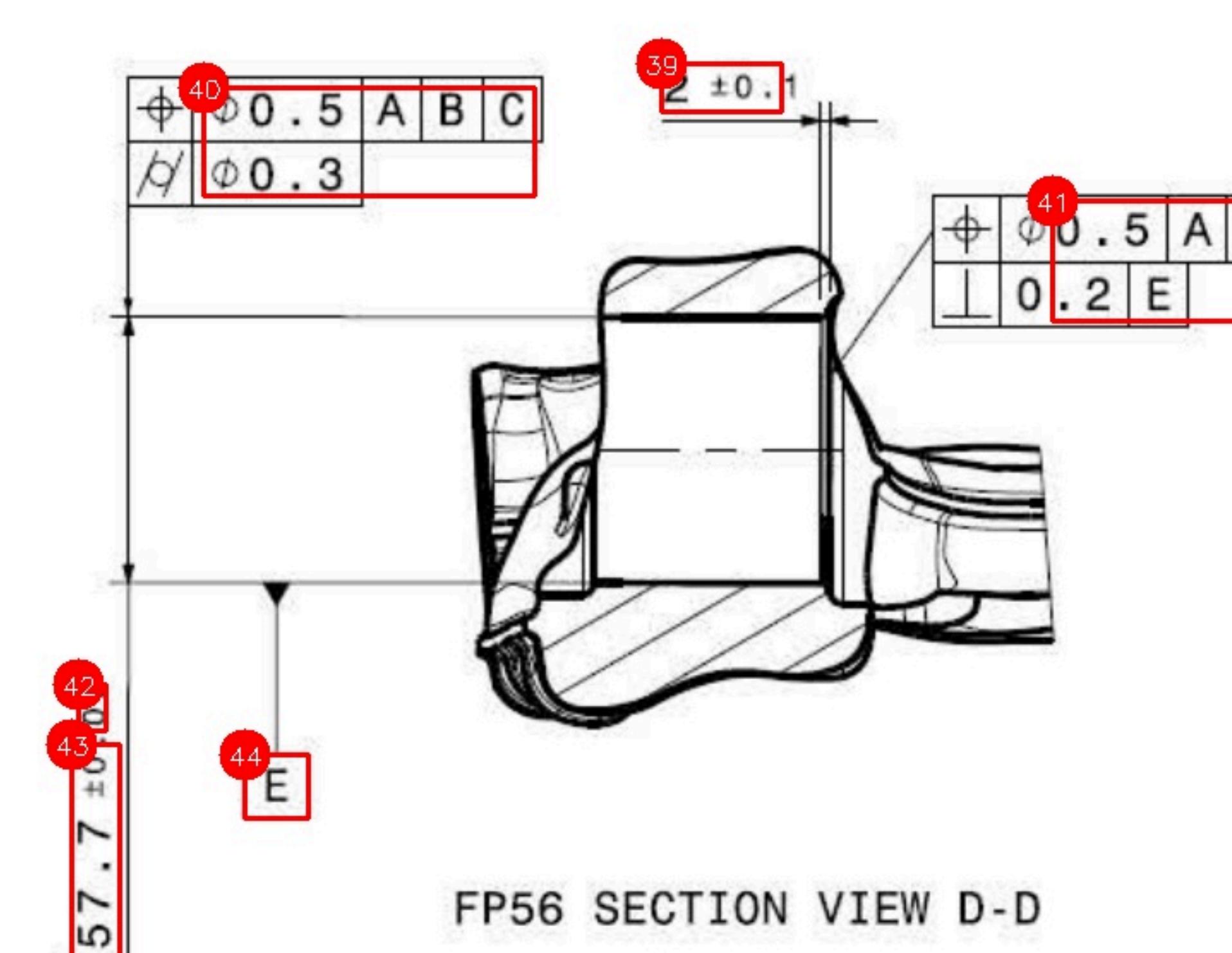


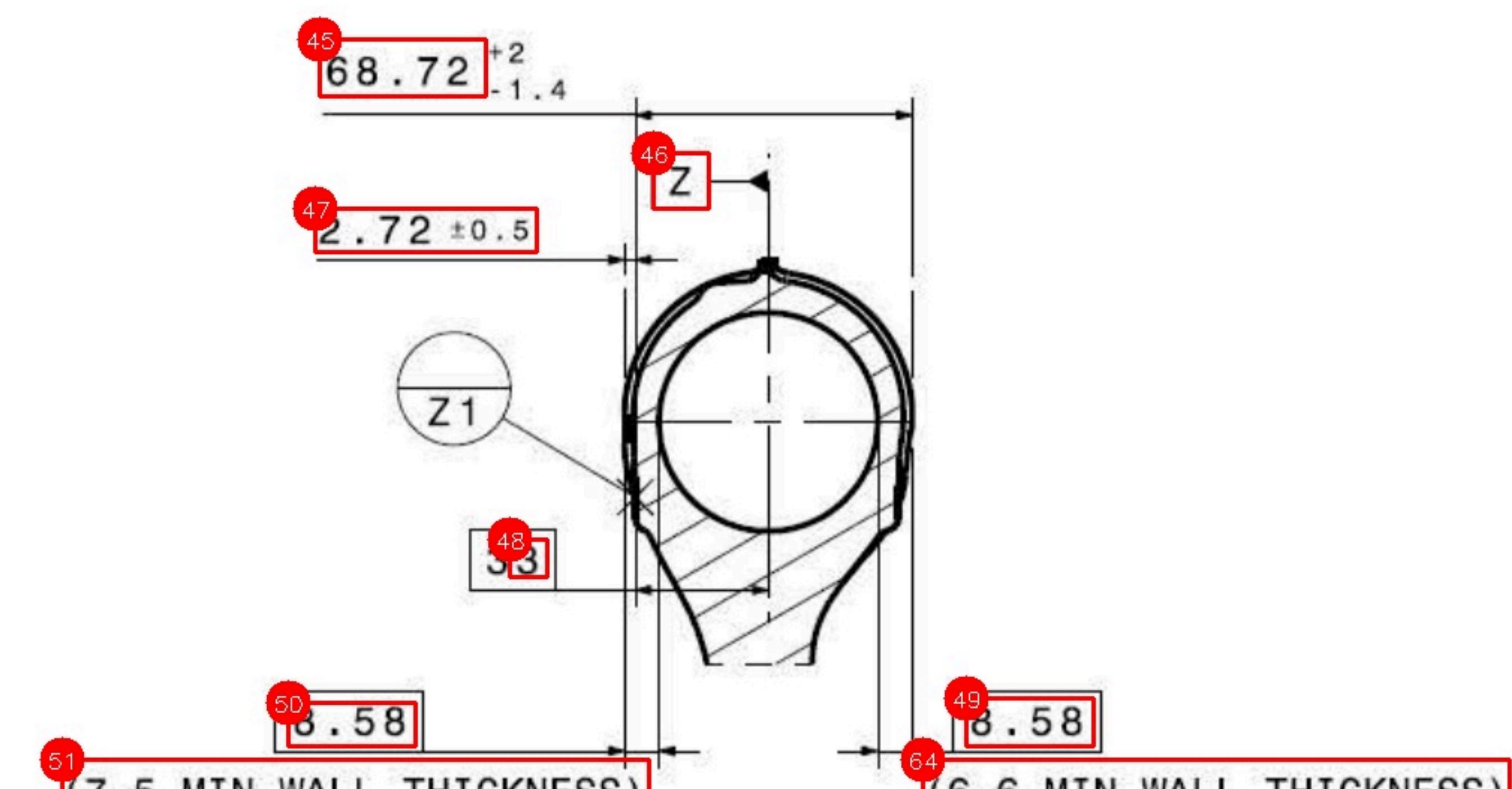
FRONT VIEW



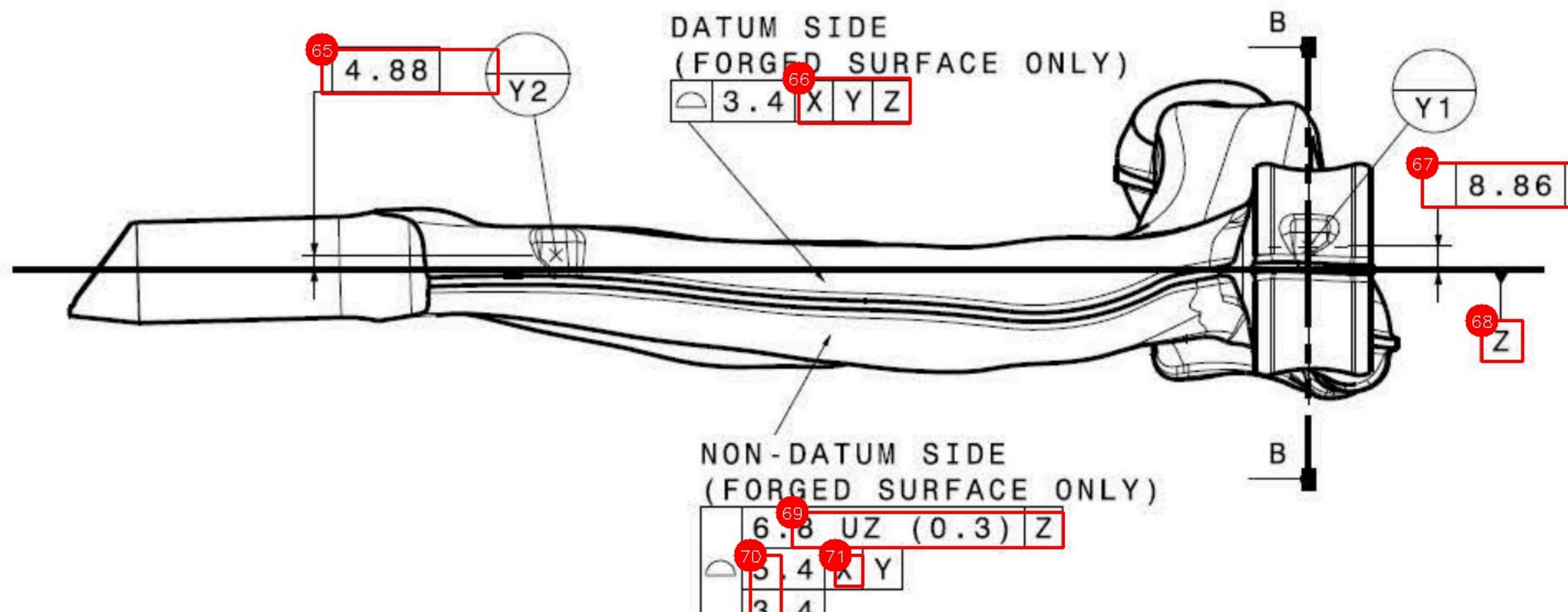
SIDE VI B



FP56 SECTION VIEW D-D

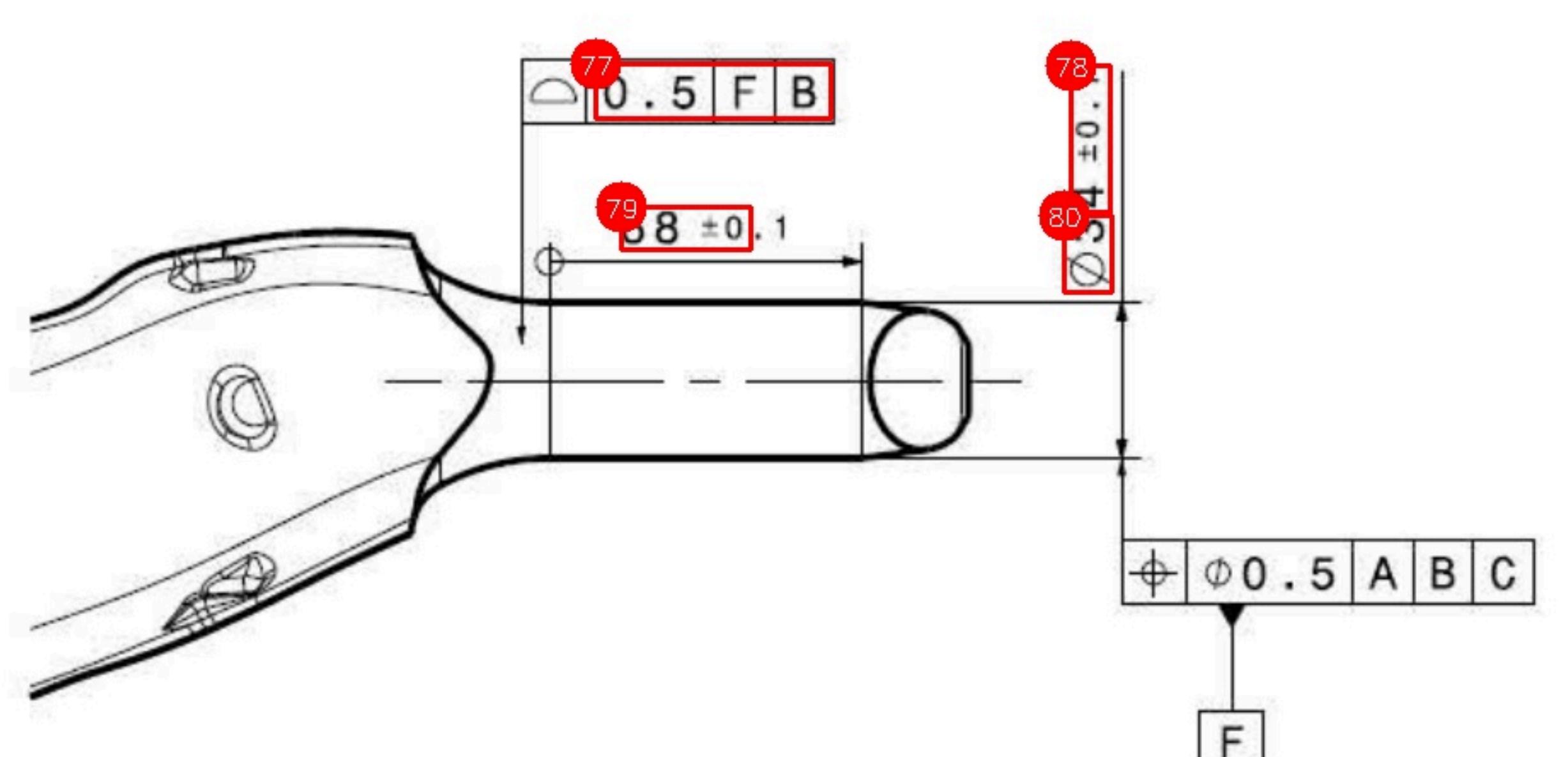


SECTION VIEW B-B
FP3 MIN WALL THICKNESS



DATUM SIDE
(FORGED SURFACE ONLY)

NON-DATUM SIDE
(FORGED SURFACE ONL)



FP4 DETAIL VIEW

ITEM	PART NO	DESCRIPTION	MATERAIL	COATING	WEIGHT
1	548232103803	LOWER CONTROL ARM LH	AlSi1MgMn - T6 TS > 400 MPA YS > 380 MPA E% > 8%	N/A	4.348 kg
2	548232103801	LOWER CONTROL ARM RH	HARDNESS > 85HB		4.348 kg

FOR ADDITIONAL DETAILS REFER CAD DATA.

NOTES

- PART MUST CONFORM TO 548232103801/548232103803 LATEST REVISION.
 - ALL DIMENSIONS ARE IN FINISHED CONDITION UNLESS OTHERWISE STATED
 - UNDIMENSIONED MACHINED FEATURES TO COMPLY WITH GENERAL TOLERANCES ISO 22081 UNLESS OTHERWISE SPECIFIED  0.5 ABC
 - DIMENSIONED MACHINED FEATURES WITHOUT INDIVIDUAL TOLERANCE INDICATIONS TO COMPLY WITH ISO 2768-mK UNLESS OTHERWISE SPECIFIED
 - THE MACHINED PART SHALL CONFORM TO THE FOLLOWING:
 - COMPLETELY FREE FROM HAZARDOUS BURRS & SHARP EDGES (SEE ES FOR MORE INFO)
 - WASHED, FREE FROM GREASE, OIL, LUBRICANT, SWarf & DEBRIS
 - THREADS DEBURRED IN ACCORDANCE WITH DIN 76-1
 - MAXIMUM MACHINING ROUGHNESS (Ra) 3.2 UNLESS OTHERWISE STATED
 - MAXIMUM DEPTH OF ALL INDENTED CHARACTERS AND MANUFACTURING SYMBOLS 1MM
 - FORGED RAW PART TOLERANCE TO BS EN 586-3 UNLESS OTHERWISE SPECIFIED, SEE THE FOLLOWING FOR DEFINED VALUES FROM THE STANDARD:
 - DIE CLOSURE TOLERANCE +2.0/-1.4mm
 - DIE MISMATCH TOLERANCE +1.0mm
 - SHAPE TOLERANCE:
 - CRITICAL DIMENSIONS DEFINED ON THE DRAWING
 - REFER TO THE STANDARD FOR NON DIMENSIONED SURFACES (MAXIMUM $\pm 1.7\text{mm}$ CONSIDERED FOR TMPV DESIGN PURPOSES ONLY)SEE 'GENERAL PROFILE TOLERANCE VIEW' FOR MORE DETAILS
 - THE RAW PART SHALL CONFORM TO THE FOLLOWING:
 - MAXIMUM ALLOWABLE FLASH 1.5MM - NOT SHARP
 - MAXIMUM ROUGHNESS (Rz) 35
 - MAXIMUM HEIGHT OF ALL EMBOSSED CHARACTERS AND MANUFACTURING SYMBOLS 1.5MM
 - NO ADDITIONAL MARKINGS SHALL BE PRESENT ON THE PART OTHER THAN WHAT'S SPECIFIED ON THE DRAWING
 - MATERIAL: SPECIFIED IN TABLE 1 (SEE ES FOR MORE DETAILS)
 - WEIGHT: SPECIFIED IN TABLE 1 (INFORMATION PURPOSES ONLY, CAD APPROXIMATE)
 - CORROSION PROTECTION: SPECIFIED IN TABLE 1 (SEE ES FOR MORE DETAILS)
 - LH AS DRAWN, RH SYMMETRICALLY OPPOSITE UNLESS OTHERWISE STATED (EXCEPT FOR PART MARKINGS).
 - MATERIAL FOR BLACK BOX ("OFF THE SHELF") OR GREY BOX (JOINTLY DESIGN BY THE SUPPLIER & TMPV) ITEMS SHALL CONFORM TO TMPV MATERIAL CONTROL SPECIFICATION STJLR.51.5227

**14. EXTERNAL THREADS
FOR A COATING THICKNESS \leq 15 MICROMETER (INCLUDING TOLERANCES):**

- THE THREAD PRECOATING TO CLASS 6g MIN TO ISO 965
 - THREAD POST COATING NOT TO TRANSGRESS THE MAX. MATERIAL LIMITS FOR POSITION h

FOR COATING THICKNESS > 15 MICROMETER (INCLUDING TOLERANCE) :

 - THREAD PRECOATING TO CLASS 6e MIN. TO ISO 965
 - THREAD POST COATING NOT TO TRANSGRESS THE MAX. MATERIAL LIMITS FOR POSITION h

TABLE 2 - EXTERNAL THREADS

TABLE 2 - EXTERNAL THREADS	
STUD THREAD DIA (mm)	MAX THREAD TORQUE (Nm)
10	1
12	1.7
14	2.7
16	4.1
20	8.0
24	13.8

15. ALL DIMENSIONS ARE IN THE PRE-COATED CONDITION UNLESS OTHERWISE STATED
 16. QR CODE REFER STD STJLR.AD.5005, SIZE 15X15mm.
 17. BAR CODE LABEL AS PER TATA MOTORS STANDARD (TS11879).
 18. TATA LOGO AS PER TATA MOTORS STANDARD (TS11234).

Classification of characteristic:		Date	Mod No	S.No	Zone	Modification	CHKD	APPD
Critical	▲ Key Instruction							
Major	(None) Minor							
Applies to upper limit								
Applies to lower limit								
2024	SIGN	DATE			Envelope Dimensions (L x W x H) 602x382x102	Fin mass in kg 4.348	Surface protection as per Std. Refer Notes.	
DRW	MDA	23/02						
CHKD	PRG	23/02					Tol. as per std.	
APPD	NOD	23/02	Product/Group No. Scale 1:2			Replaces Drg. -		
						Reference Drg. No. SEMA-3A053-A		
						Opp. Hand Drg. / Pt. No. 5482 3210 38 01		
Drg. / Part Designation		Drg. / Part No.		5482 3210 38 03				
LOWER CONTROL ARM LH								
Sheet No.		1	of	1	Sheets			