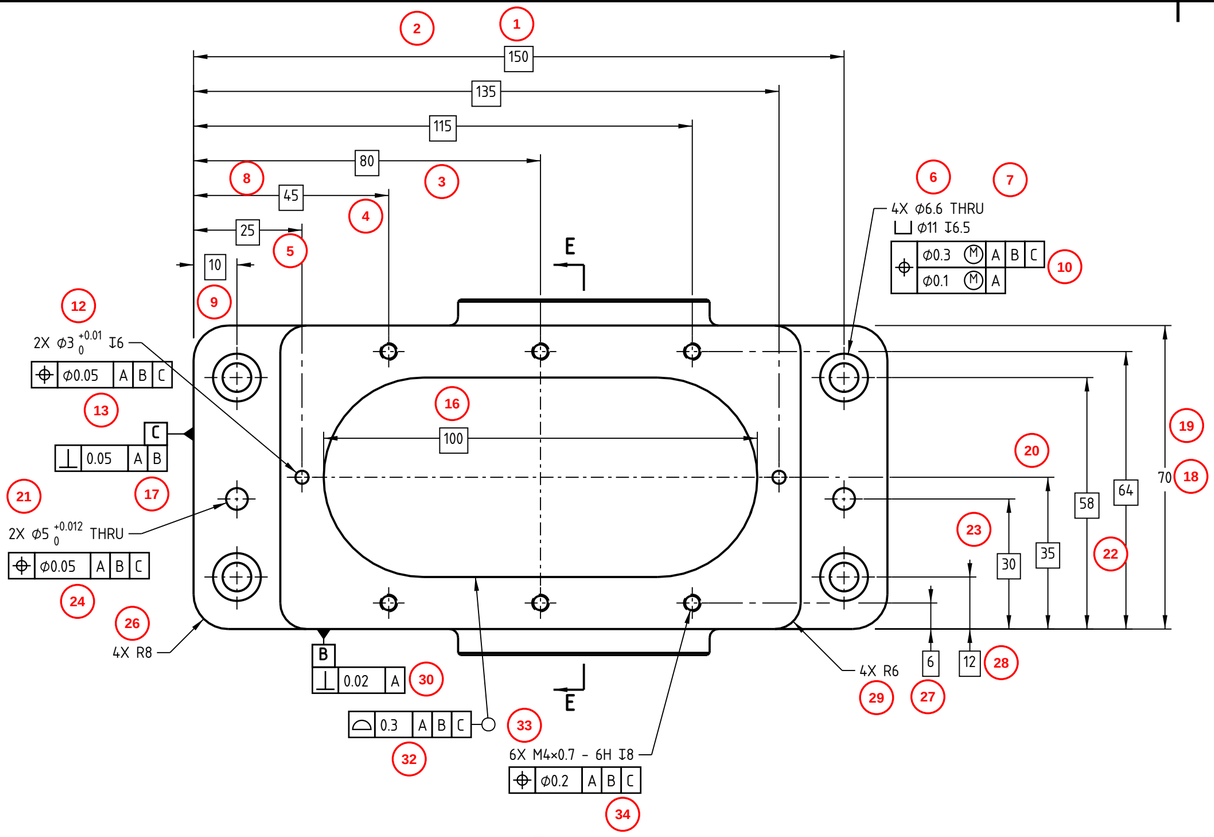
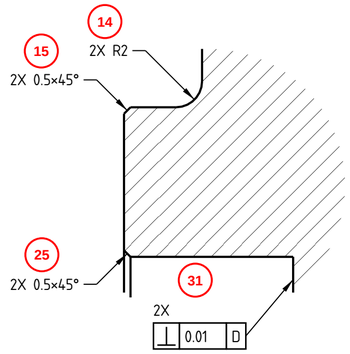
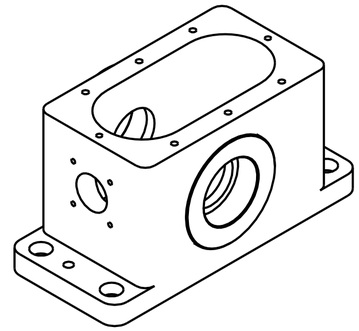


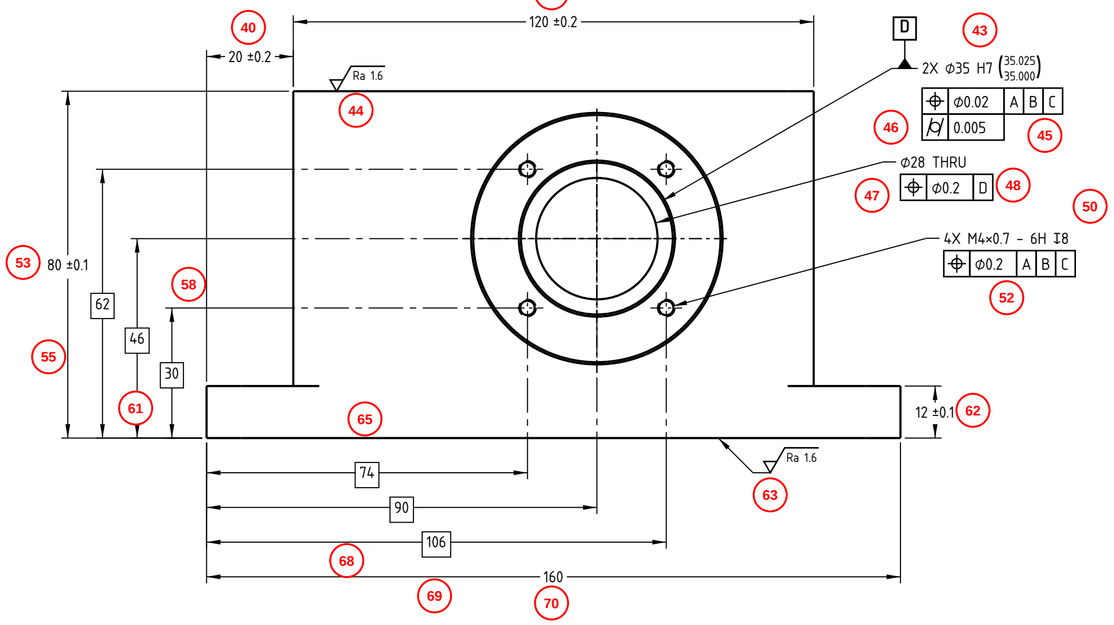


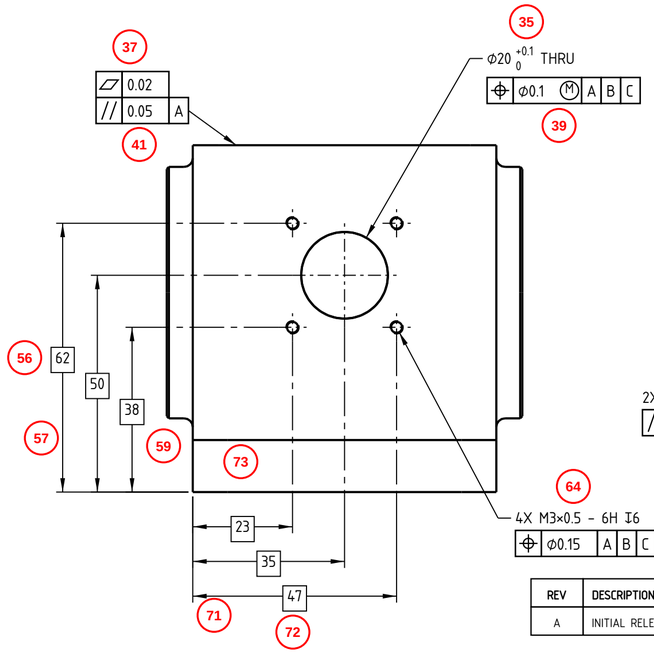
DETAIL F (3:1)

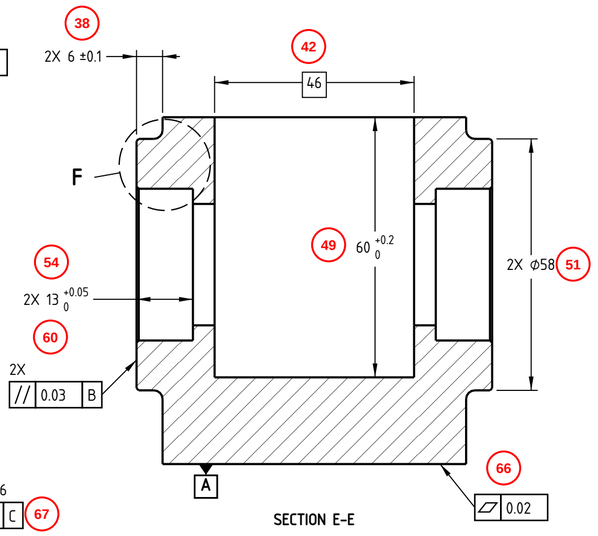


NOTES (UNLESS OTHERWISE SPECIFIED):

1. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-2018.
2. MATERIAL: ALUMINUM ALLOY 7075-T7351 PLATE PER AMS 4078.
3. VERIFY TEMPER BY HARDNESS AND CONDUCTIVITY PER AMS 2658 AFTER MACHINING, BEFORE FINISH.
4. PENETRANT INSPECT PER ASTM E1417, TYPE I, METHOD C, SENSITIVITY LEVEL 2, ETCHED BEFORE PENETRANT. NO LINEAR INDICATIONS.
5. ANODIZE PER MIL-PRF-8625, TYPE II, CLASS 1, AFTER ALL MACHINING.
6. MASK Φ35 H7 BORES, Φ5 AND Φ3 DOWEL HOLES, THREADS AND DATUM A FROM ANODIZE; CHEM FILM PER MIL-DTL-5541 TYPE II CLASS 3.
7. DIMENSIONS APPLY AFTER FINISH.
8. SURFACE TEXTURE PER ASME Y14.36 AND B46.1. Φ35 H7 BORES Ra 0.8 µm.
9. THREADS PER ASME B1.13M, GAGE PER ASME B1.16M. FITS PER ASME B4.2.
10. INSIDE CORNERS R0.5–R1 UNLESS SHOWN; CAVITY FLOOR CORNERS R0.5–R3; BEARING SHOULDER CORNERS R0.6 MAX.
11. KEY CHARACTERISTICS: Φ35 H7 BORES, THEIR POSITION AND SHOULDERS. VARIATION MANAGEMENT PER AS9103.
12. MARK PART NUMBER, REV AND SERIAL NUMBER PER MIL-STD-130, 3 MM HIGH, ON THE BACK FACE, INK PER A-A-56032, AFTER FINISH.
13. PART TO BE FREE OF BURRS, CHIPS AND FOREIGN OBJECT DEBRIS.







SECTION E-E

REV	DESCRIPTION	DATE	APPR
A	INITIAL RELEASE	25/09/26	SW

UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN MM · TOLERANCES: X ±0.5 X.X ±0.2 X.XX ±0.05 ANGLES ±0.5°
SURFACE TEXTURE Ra 3.2 µm UNLESS NOTED · THIRD ANGLE PROJECTION

ASDRAWN

DRAWN M.TAYLOR	DATE 21/09/26	TITLE ACTUATOR GEAR HOUSING	DWG NO AD-1004
CHECKED R.NAKAMURA	DATE 24/09/26		
APPROVED S.WHITFIELD	DATE 25/09/26	MATERIAL AL 7075-T7351 / FINISH ANODIZE CLEAR	REV A / PROJECTION
SIZE A2	MASS (kg) 1.25	SCALE 1:1	FIRST USED ON AD-1000 ACTUATOR / SHEET 1 OF 1

DO NOT SCALE DRAWING · BREAK SHARP EDGES 0.1–0.4