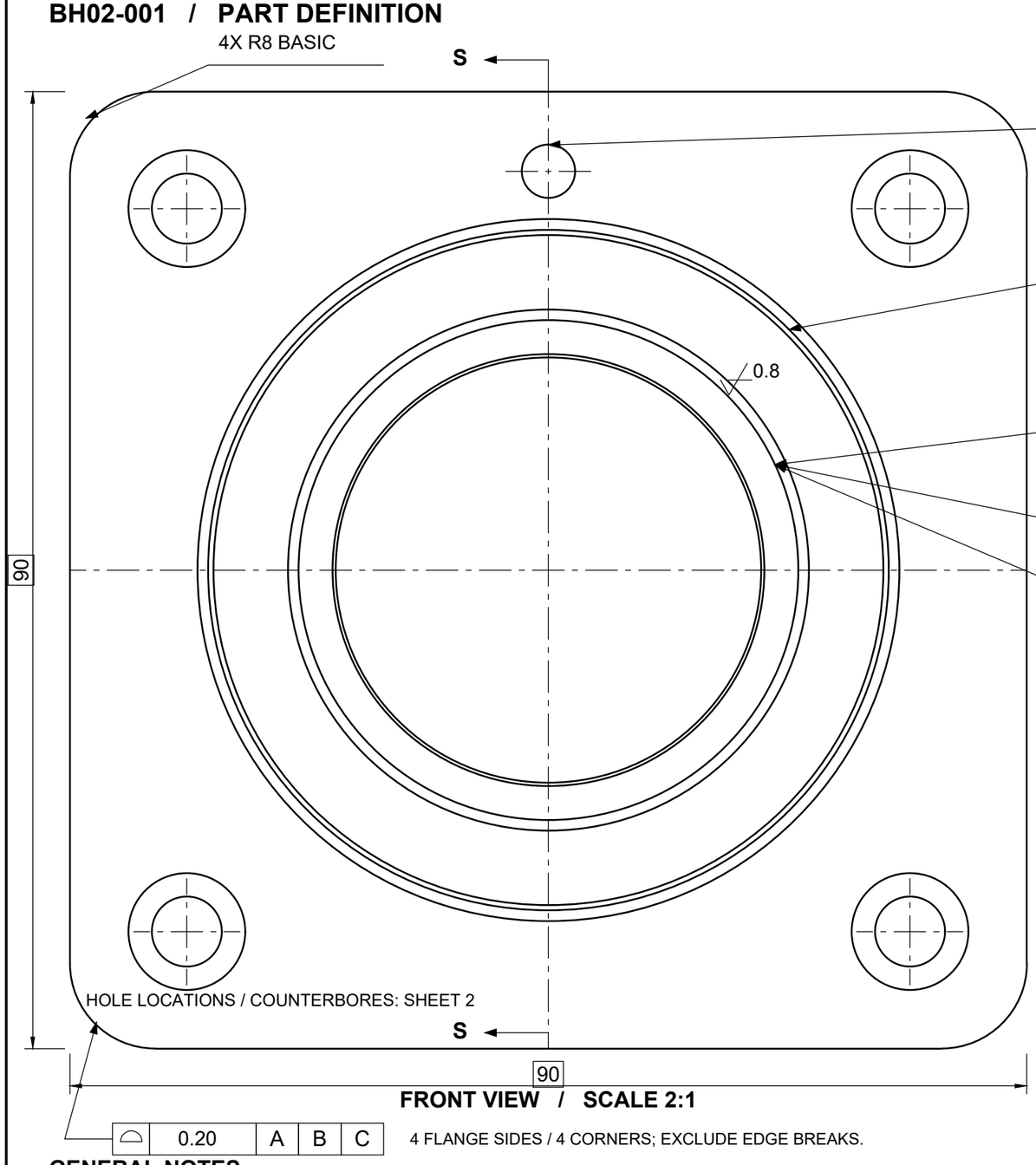
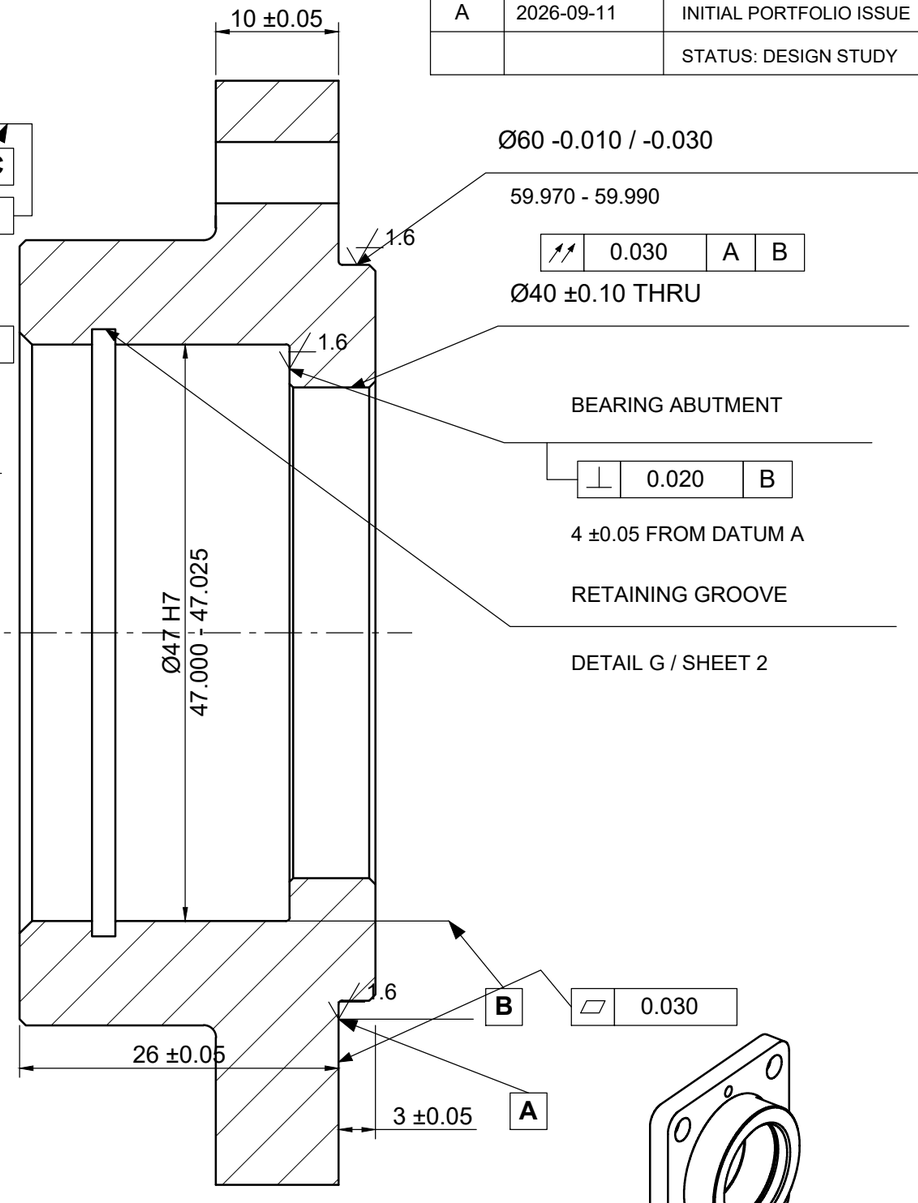
BH02-001 / PART DEFINITION

REV	DATE	DESCRIPTION
A	2026-09-11	INITIAL PORTFOLIO ISSUE
		STATUS: DESIGN STUDY



FRONT VIEW / SCALE 2:1



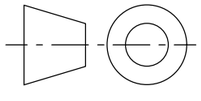
SECTION S-S / SCALE 2:1

ISOMETRIC / REF

0.20 A B C — 4 FLANGE SIDES / 4 CORNERS; EXCLUDE EDGE BREAKS.

GENERAL NOTES

1. DIMENSIONS IN mm. GD&T: ASME Y14.5-2018.
2. ISO 286 FITS. NUMERICAL LIMITS CONTROL MANUFACTURE.
3. UNLESS SPECIFIED: LINEAR ±0.10; ANGULAR ±0.5°.
4. Ra 3.2 µm MAX UNLESS MARKED. ISO 1302:2002 SYMBOLS.
5. REMOVE BURRS. UNDIMENSIONED EDGES: 0.2-0.4 × 45°.
6. NO COATING. CLEAN BORE AND GROOVE AFTER MACHINING.
7. READ BOTH SHEETS. DO NOT SCALE THE DRAWING.



THIRD ANGLE

RAMIN / MECHANICAL DESIGN PORTFOLIO

FLANGED BEARING HOUSING

DRAWING No.	SHEET CONTENT
BH02-001	PART DEFINITION

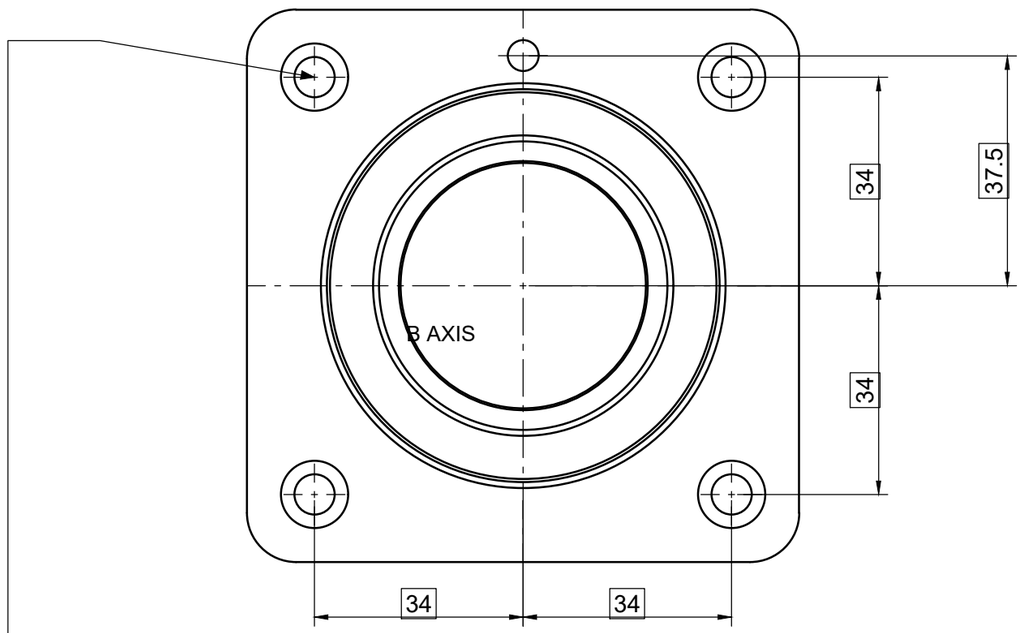
MATERIAL: 6061-T6 ALUMINUM

UNITS	SCALE	SIZE	REV	SHEET
mm	**AS SHOWN**	**A3**	**A**	**1 / 2**

BH02-001 / LOCATIONS AND DETAILS

REV	DATE	DESCRIPTION
A	2026-09-11	INITIAL PORTFOLIO ISSUE
		STATUS: DESIGN STUDY

HOLE LOCATION VIEW / SCALE 1:1



4X Ø6.6 +0.20 / 0 THRU

⌖	Ø0.20 Ⓜ	A	B	C

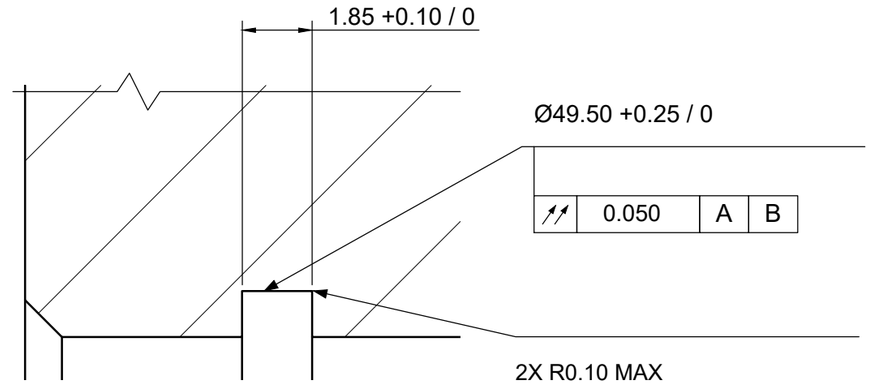
4X Ø11 +0.20 / 0 COUNTERBORE, 6 ±0.10 DEEP. SEE H.

⌖	Ø0.30	A	B	C

BOXED DIMENSIONS ARE BASIC.

C IS ON THE VERTICAL CENTERLINE THROUGH B.

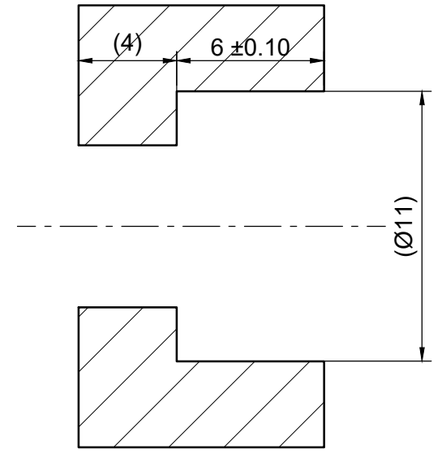
DETAIL G / SCALE 6:1



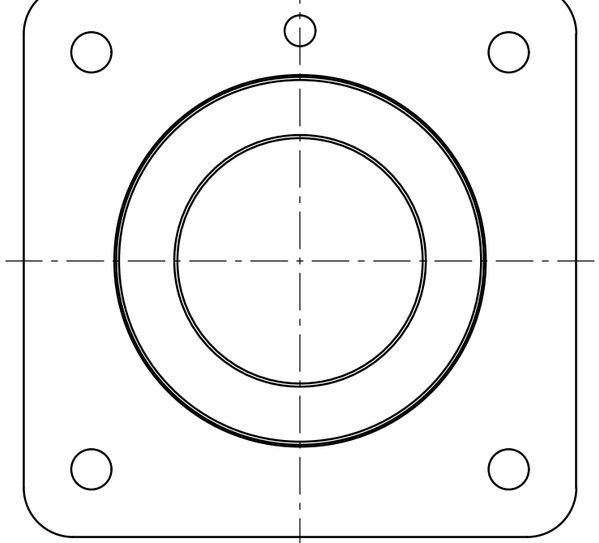
GROOVE START: 14.20 ±0.05 FROM BEARING SHOULDER.

GROOVE WIDTH AND START ARE AXIAL DIMENSIONS.

DETAIL H / SCALE 4:1



4 PLACES / SECTION THROUGH HOLE AXIS



REAR VIEW / SCALE 1:1

MACHINING NOTES

8. BEARING BORE ENTRY: 1 × 45°. SHOULDER ROOT: R0.3 MAX.
9. PILOT END: 0.5 × 45°. PILOT ROOT: R0.3 MAX.
10. BOSS ROOT: R1 ±0.2. BOSS FRONT EDGE: 0.5 × 45°.
11. Ø40 BORE: 0.5 × 45° REAR; 0.3 × 45° AT SHOULDER.
12. RETAINING RING: ROTOR CLIP DHO-47ST N PD (DIN 472).
13. A = MOUNTING FACE; B = BEARING AXIS; C = CLOCK HOLE.
14. FLANGE CENTERED ON B; SIDES PARALLEL TO BASIC HOLE ROWS.

RAMIN / MECHANICAL DESIGN PORTFOLIO

FLANGED BEARING HOUSING

DRAWING No.	SHEET CONTENT
BH02-001	LOCATIONS AND DETAILS

MATERIAL: 6061-T6 ALUMINUM

UNITS	SCALE	SIZE	REV	SHEET
mm	**AS SHOWN**	**A3**	**A**	**2 / 2**