

Precision Steel & Components Ltd.

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BILL OF MATERIALS (BOM)

BOM INFORMATION

BOM Revision:	Rev 1.2
BOM Date:	October 10, 2025
Status:	Approved

REFERENCE INFORMATION

Customer PO:	PO-2025-15903
Customer:	AutoTech Manufacturing Corp.
Project Code:	PRJ-AT-2025-Q4B
Prepared By:	Technical Dept.

MATERIAL IDENTIFICATION

ID	TYPE/PART DESIGNATION	DIMENSIONS	MATERIAL GRADE
MAT-2401	Aluminum Angle - L Profile	50 x 50 x 5 mm x 6000 mm	6061-T6

Material Overview: Extruded aluminum equal angle with L-shaped profile. Suitable for structural applications, framing, and support systems. Material conforms to ASTM B221 specifications.

TECHNICAL SPECIFICATIONS

Material Standard: ASTM B221 - Aluminum Alloy 6061-T6

Alloy Grade: 6061-T6 (heat-treated and artificially aged)

Leg Length: 50 mm x 50 mm (equal angle)

Wall Thickness: 5 mm

Length: 6000 mm (6 meters)

Surface Finish: Mill finish (as-extruded)

Thickness Tolerance: ±0.3 mm

Length Tolerance: +10 mm / -0 mm

Weight per Meter: 1.33 kg/m (approx.)

Testing Required: Material certificate, dimensional inspection

Technical Contact: Thomas Richardson, Technical Sales | **Approved By:** Engineering Department

Document Control: This BOM is controlled by Precision Steel & Components Ltd. Material must meet ASTM B221 6061-T6 specifications.