

Precision Steel & Components Ltd.

890 Manufacturing Drive, Pittsburgh, PA 15222 | Tel: +1 (412) 555-8900 | technical@precisionsteel.com

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.