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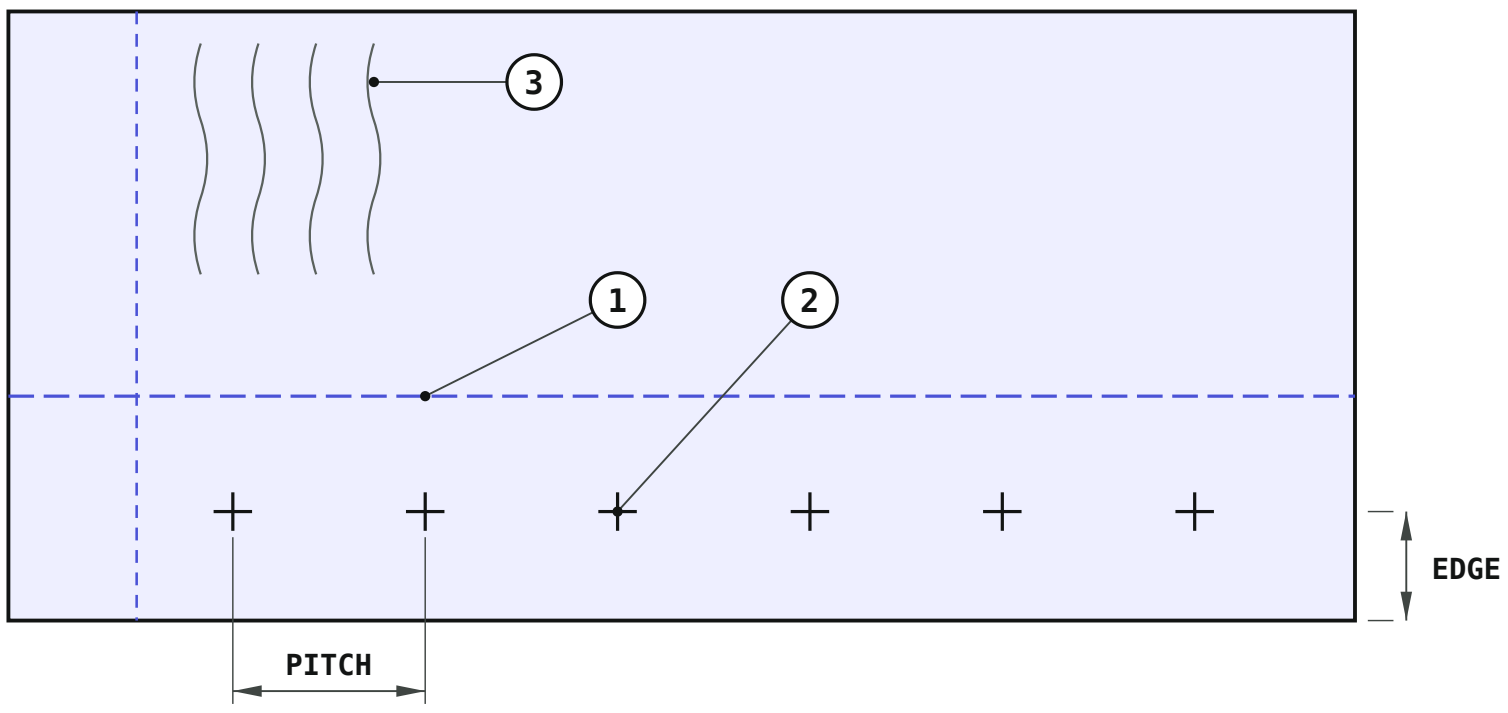
Sheet Layout: Marking Before You Cut

Film · grain · bend lines · rivet rows

REFERENCE DRAWING — NOT APPROVED DATA · THE SRM ALWAYS GOVERNS

PLAN

BLANK, MARKED UP



ORDER

1 READ THE DRAWING
2 CHECK ALLOY AND GRAIN
3 KEEP THE FILM ON
4 BEND LINES FIRST
5 EDGE, THEN PITCH
6 CROSS EACH HOLE
7 MEASURE TWICE

PARTS LIST

#	ITEM	RULE	SOURCE
1	Bend line	From the flat pattern; 90° to the grain if possible	H-8083-31B p. 4-58
2	Hole marks	Crossed lines; quick pattern with a rivet spacer (1/2, 3/4, 1, 2 in)	pp. 4-4, 4-19
3	Grain	Runs the way the sheet was rolled	p. 4-58
—	Marking	Fine fibre-tip pen; never a No. 2 pencil on aluminium: graphite can cause corrosion	p. 4-4
—	Edge and pitch	From the rivet layout rules or the SRM	AC 43.13-1B par. 4-58

NOTES

1. Dimensions in inches. Do not scale: the SRM sets the values.
2. For reference. The applicable manual always governs.
3. Based on FAA-H-8083-31B ch. 4.

REVISIONS

REV	DESCRIPTION	DATE
A	First issue	2026-10-30

The Aviation Point.	Structural repair reference		
TITLE: Sheet layout			
DRAWING NO.: TAP-DWG-058	REV: A	SCALE: NTS	SHEET: 1 OF 1
APPLIES TO: Flat sheet			
DO NOT SCALE DRAWING			

After FAA-H-8083-31B pp. 4-3, 4-4, 4-19, 4-58, 4-59. Typical only: edge distance and pitch come from the drawing or SRM.

Key points

- **No pencil on aluminium.**
- **Bend lines across the grain.**

Step by step

1. Drawing, stock.
2. Film on, pen.
3. Flat pattern, grain.
4. Rivet rows.
5. Check.

SOURCES · FAA-H-8083-31B, Aviation Maintenance Technician Handbook: Airframe, Chapter 4 · FAA AC 43.13-1B CHG 1, Acceptable Methods, Techniques and Practices

SCAN · OPEN THIS GUIDE
theaviationpoint.com/standard-practices/sheet-layout/

Educational reference only, not approved data. Always consult the applicable SRM, AMM, or AC 43.13-1B and your certifying authority.