

Structural Profile Libraries

SYS-0031 / REV A / 2026.06.03

The plan separates mild steel, stainless steel, and aluminum libraries, then defines naming, folder structure, units, material assignment, cut-list properties, and weight validation. It remains a concept until a sanitized deployment example is assembled.

STATUS	PLANNED
CLASSIFICATION	SYS
MATERIAL	CAD / LIBRARY
DISPOSITION	PLANNED CONCEPT

TECHNICAL NOTES

A library plan for reusable steel and aluminum structural profiles with validated cut-list behavior.

SPECIFICATION

LIBRARIES	Mild / stainless / aluminum
FIELDS	Description / type / length / weight
VALIDATION	Cut list / weight
STATUS	Planned

DEVELOPMENT HISTORY

2026.06.03 / Rev A

Outlined the reusable profile-library structure and validation path.

RELEASED MATERIAL / SOURCE LINKS

SYS-0031_structural-profiles.txt

OUTLINE / 2 KB

https://u225x.com/downloads/SYS-0031_structural-profiles.txt

CONNECTED RECORDS

SYS-0025

<https://u225x.com/record/SYS-0025>

SYS-0030

<https://u225x.com/record/SYS-0030>

RETURN TO THE LIVING RECORD

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This PDF preserves the public notes at this revision. Visit the record for updates and attached images.

<https://u225x.com/record/SYS-0031>