

Engineering Assumptions & Legend

This page summarizes preliminary assumptions used for generating engineering annotations. All values are placeholders and subject to review.

Category Assumptions

Category	Assumed Weight (lbs)	Assumed Load (kW)
Lift	2500	1.5
Compressor	500	7.5
Diagnostics	50	0.5
Welding	300	5.0
Advanced Diagnostics	100	3.5
Simulator	800	15.0
OEM Tools	200	2.0

Layer Color Mapping

- █ STRUCTURAL_ANNOT — Color index 1
- █ MECH_ANNOT — Color index 3
- █ ELEC_SCHEMATIC — Color index 2

Summary Counts

Structural annotations (rows): 12

Mechanical service rows: 12

Electrical load rows: 22

Notes

- All values are preliminary placeholders for engineering review.
- Structural: slab thickness default = 8 in unless noted in CSV.
- Mechanical: airflow placeholders indicate required review for fume extraction.
- Electrical: per-equipment loads are estimates; verify with manufacturer data.
- Replace placeholder values with licensed-engineer calculations before construction.