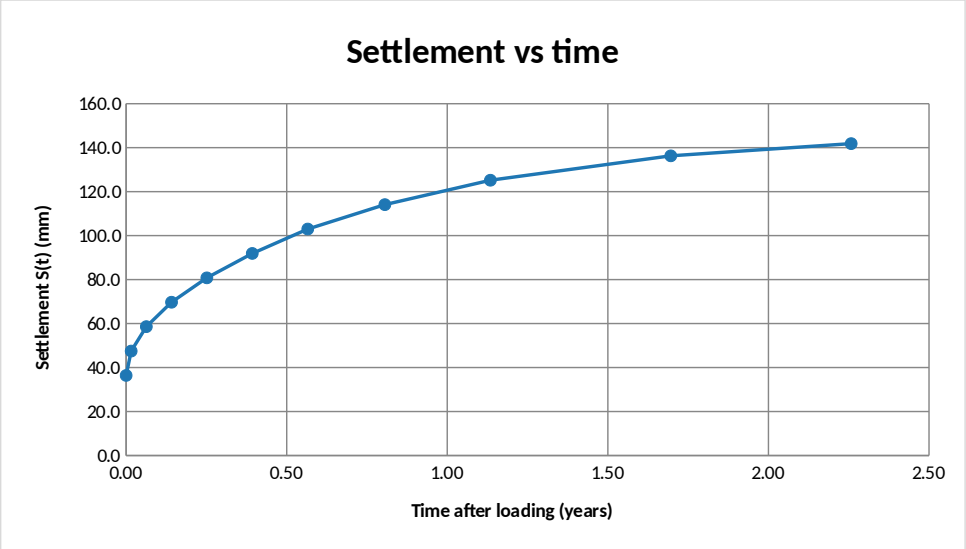
Foundation Settlement Report | گزارش نشست پی

Generated from sheet Settlement · RastaWorks

Project / پروژه	Sample Project
Location – Section / محل	Strip footing F1
Depth (m) / عمق	1
Date / تاریخ	2026-10-18
Prepared by	Engineer

Quantity / کمیت	Value / مقدار	Unit	Quantity / کمیت	Value	Unit
Shape	**Strip**	–	**B**	**2.00**	m
Net pressure q	**100.0**	kPa	**Es / ν**	**20000 / 0.30**	kPa / –
Immediate Si	**36.4**	mm	**Consolidation Sc**	**111.0**	mm
Total S	**147.4**	mm	**Allowable**	**65**	mm
cv design	**2.00**	m²/yr	**Drainage path Hdr**	**2.00**	m
t50	**0.39**	years	**t90**	**1.70**	years

Check: EXCEEDS allowable — revise foundation / تجاوز از حد مجاز



Notes: immediate settlement by elastic theory; primary consolidation by Terzaghi with 2:1 stress distribution at mid-layer; secondary compression is not included. For design use, review by a qualified geotechnical engineer is required.
نتایج باید توسط مهندس ژئوتکنیک ذی‌صلاح بازبینی شود.