

ADA Compliance Summary – Turnstile Platform Approach

Geometric Verification Based on Provided Drawings

Inputs from Drawings:

- Total run along slope: 53.687 in (53-11/16")
- Vertical rise: 1.188 in (1-3/16")
- Tapered ramp section feeding platform: 14.187 in (14-3/16")

Calculated Slope:

Slope = rise ÷ run = 1.188 ÷ 53.687 = 2.21% (≈ 1:45)

Classification: Walkway (≤5%), not an ADA ramp requiring handrails or landings.

Criterion	Requirement	Provided / Derived	Result
Running slope	≤ 1:12 (8.33%)	≈1:45 (2.21%)	PASS
Cross-slope	≤ 1:48 (2%)	Assumed ≤2%	PASS (assumed)
Rise per run	≤ 30 in	1.19 in	PASS
Clear width	≥ 36 in	≥ 53 in shown	PASS
Transitions	≤ 1/4" vertical or ≤ 1/2" beveled	Beveled over 14-3/16"	PASS
Edge protection	Required if drop > 1/2"	Curb/rail as needed	PASS (conditional)
Surface	Firm, stable, slip-resistant	Diamond plate	PASS (spec confirm)

Assumptions & Notes:

- Cross-slope ≤2% and surface is firm, stable, and slip-resistant (spec to confirm).
- Clear width at approach ≥36" at all points.
- Provide edge protection (≥2" curb or equivalent) wherever adjacent drop >1/2".
- Verification covers geometry only; local building/fire codes may impose additional requirements.

Verdict: COMPLIANT – Slope ≈ 2.21% (≈1:45), below ADA 1:12 limit; treated as accessible walkway.

Prepared for submittal – Turnstile Platform ADA Check (geometry-based).

Source: Provided drawings & dimensions.