

**The Tech
Challenge**

GRAVITATE



to **NAVIGATE**

2025

Test Rig & Specifications

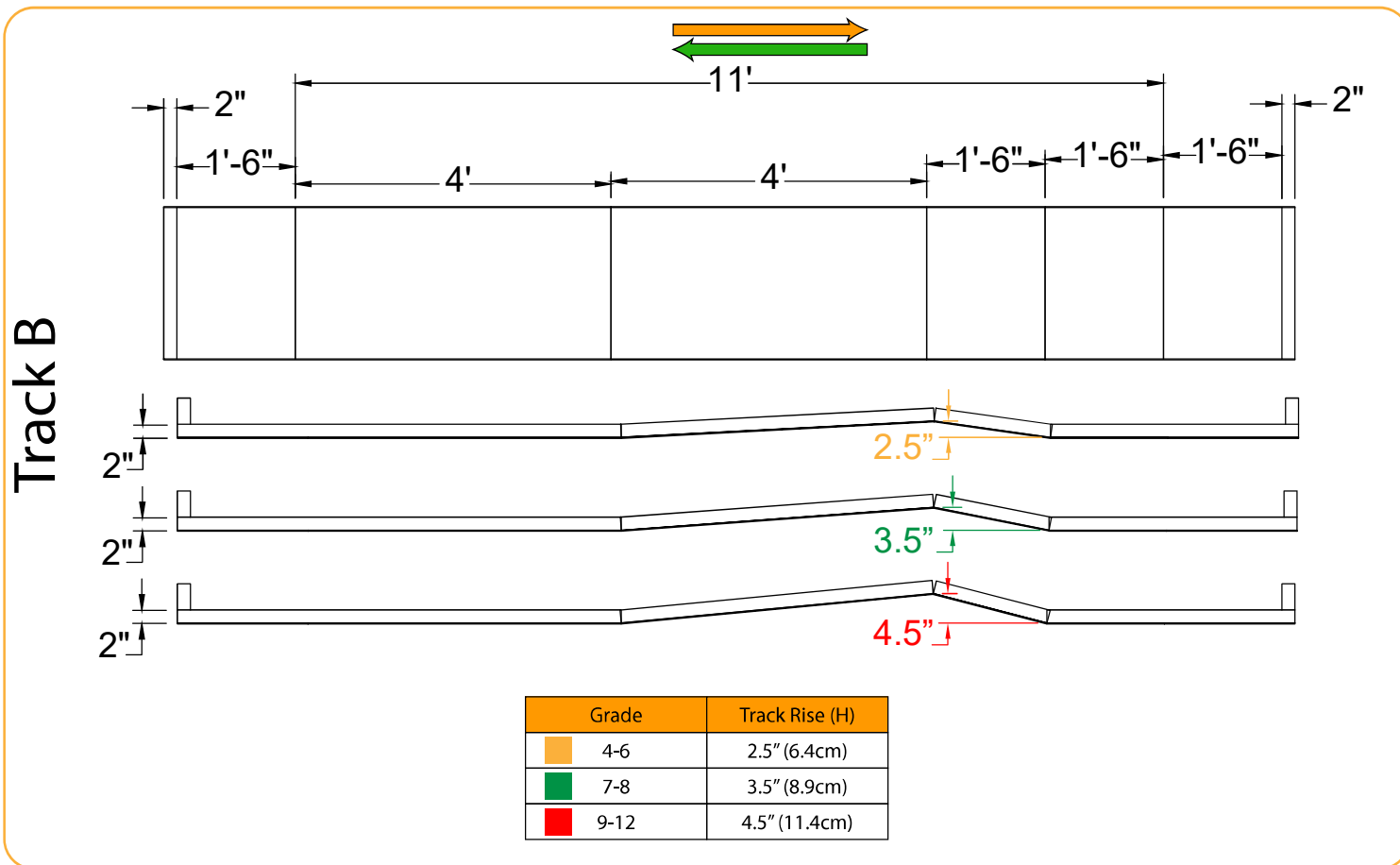
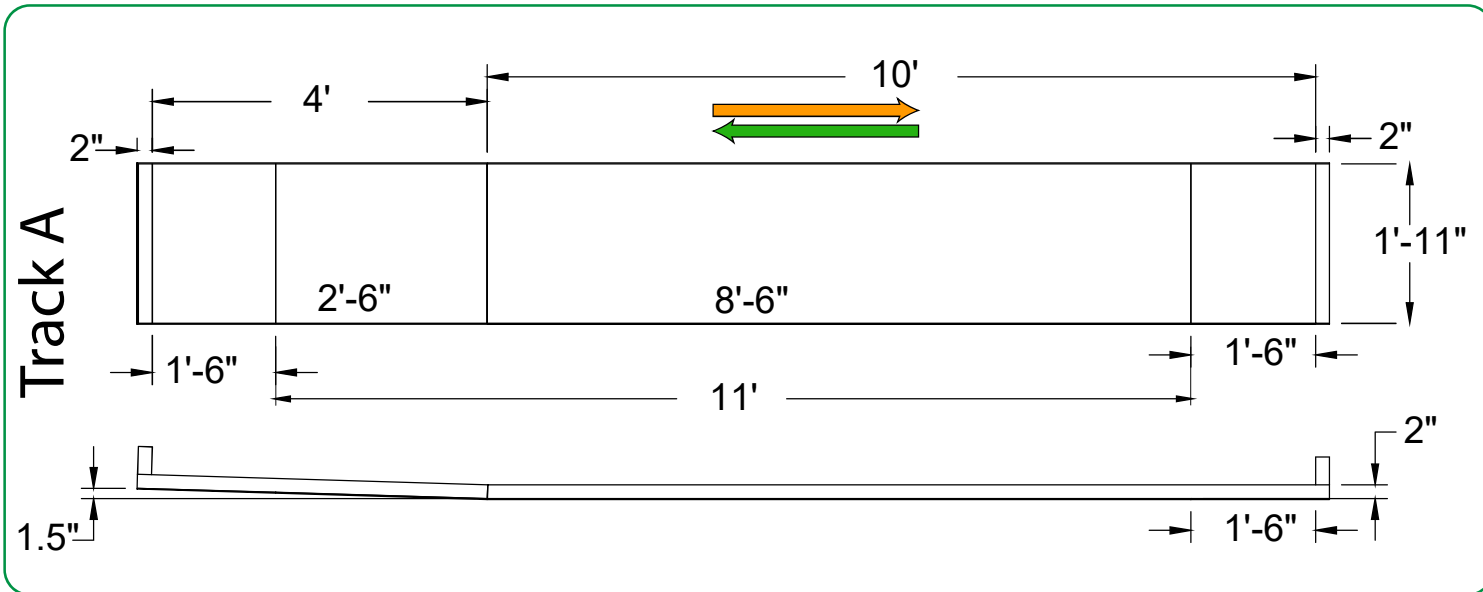
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Table of Contents

01 - Test Rig Plan and Elevation View

02 - Home Test Rig

The challenge consist of 4 runs total.
One direction and back, 2 times



- **Start box** = space before the start gate where teams set up their devices:
- The start box is 18 in (45.7 cm) long and 23 in (58.4 cm) wide.
- **End box** = space past the finish line:
- The end box and start box are the same size, 18 in (45.7 cm) long and 23 in (58.4 cm) wide.
- **Track** = space between the start box and end box.
- The track is 11' (3.35 m) long.
- **Inside track width** = 23" (58.4 cm).
- **Side rail height** = 2" (5.1 cm) above the track surface.
- **End barrier height** (foam covered) = 6" (15.2 cm) above the track surface.
- **Start gate height** (located on start line) = 6" (15.2 cm) above the track surface.
- **Track A incline** = 1.5" (3.8 cm) track rise starting at the end of the track.
- **Track B hill rise (H)**: see chart in Track B section below

