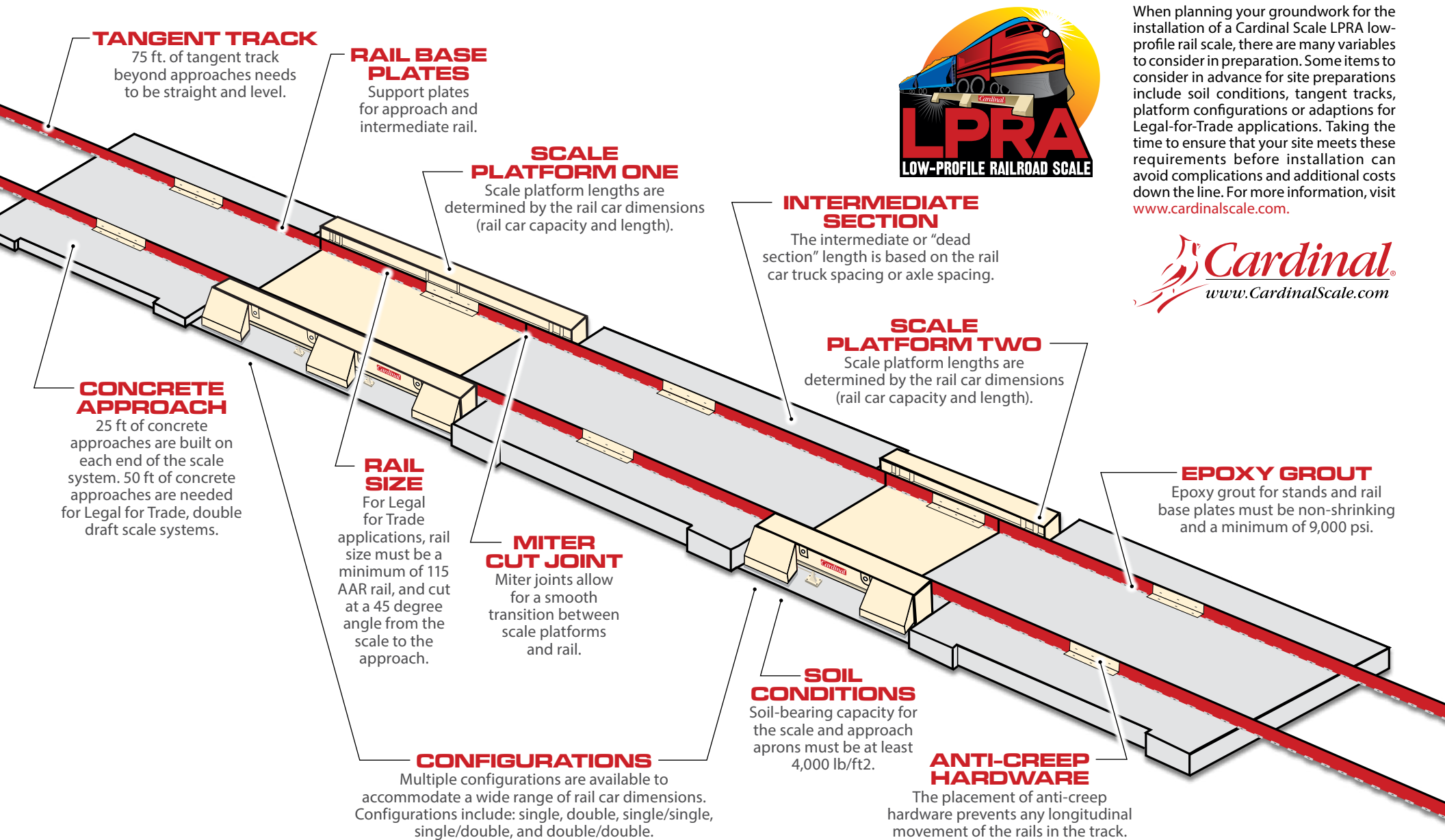


LOW PROFILE MODULAR RAIL SCALE ITEMS TO CONSIDER



TANGENT TRACK

75 ft. of tangent track beyond approaches needs to be straight and level.

RAIL BASE PLATES

Support plates for approach and intermediate rail.

SCALE PLATFORM ONE

Scale platform lengths are determined by the rail car dimensions (rail car capacity and length).

INTERMEDIATE SECTION

The intermediate or "dead section" length is based on the rail car truck spacing or axle spacing.

SCALE PLATFORM TWO

Scale platform lengths are determined by the rail car dimensions (rail car capacity and length).

CONCRETE APPROACH

25 ft of concrete approaches are built on each end of the scale system. 50 ft of concrete approaches are needed for Legal for Trade, double draft scale systems.

RAIL SIZE

For Legal for Trade applications, rail size must be a minimum of 115 AAR rail, and cut at a 45 degree angle from the scale to the approach.

MITER CUT JOINT

Miter joints allow for a smooth transition between scale platforms and rail.

EPOXY GROUT

Epoxy grout for stands and rail base plates must be non-shrinking and a minimum of 9,000 psi.

SOIL CONDITIONS

Soil-bearing capacity for the scale and approach aprons must be at least 4,000 lb/ft².

ANTI-CREEP HARDWARE

The placement of anti-creep hardware prevents any longitudinal movement of the rails in the track.

CONFIGURATIONS

Multiple configurations are available to accommodate a wide range of rail car dimensions. Configurations include: single, double, single/single, single/double, and double/double.



When planning your groundwork for the installation of a Cardinal Scale LPRAs low-profile rail scale, there are many variables to consider in preparation. Some items to consider in advance for site preparations include soil conditions, tangent tracks, platform configurations or adaptations for Legal-for-Trade applications. Taking the time to ensure that your site meets these requirements before installation can avoid complications and additional costs down the line. For more information, visit www.cardinalscale.com.

