

SWINGING LEAD SYSTEMS

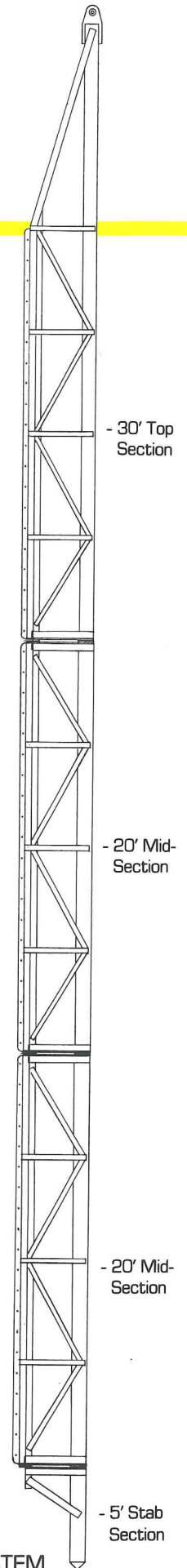
Swinging Leads are suspended from a crane line and either hang freely, stab into the ground, or are held by a bottom brace. MVE Swinging Leads are lightweight and can lay down easily to free the crane for other uses. Maximum flexibility allows driving in a hole or over the edge of your excavation.

While precise pile positioning is slow and difficult, swinging leads are the most inexpensive and simple lead system available. MVE recommends the use of a 3 drum crane, using lines for hammer, pile, and leads respectively for optimum productivity. MVE Swinging Leads assemble from three basic sections - a 30-foot top section, a 5-foot stab section, and standard mid sections. The 30-foot top section is tapered to provide adequate crane boom clearance. A bail attachment to accept standard shackles is standard with the top section. A 5-foot stab section is located at the bottom of the system to help stabilize the leads. Mid sections are available in 5 to 30-foot lengths in 5-foot increments and complete the length needed for your system.

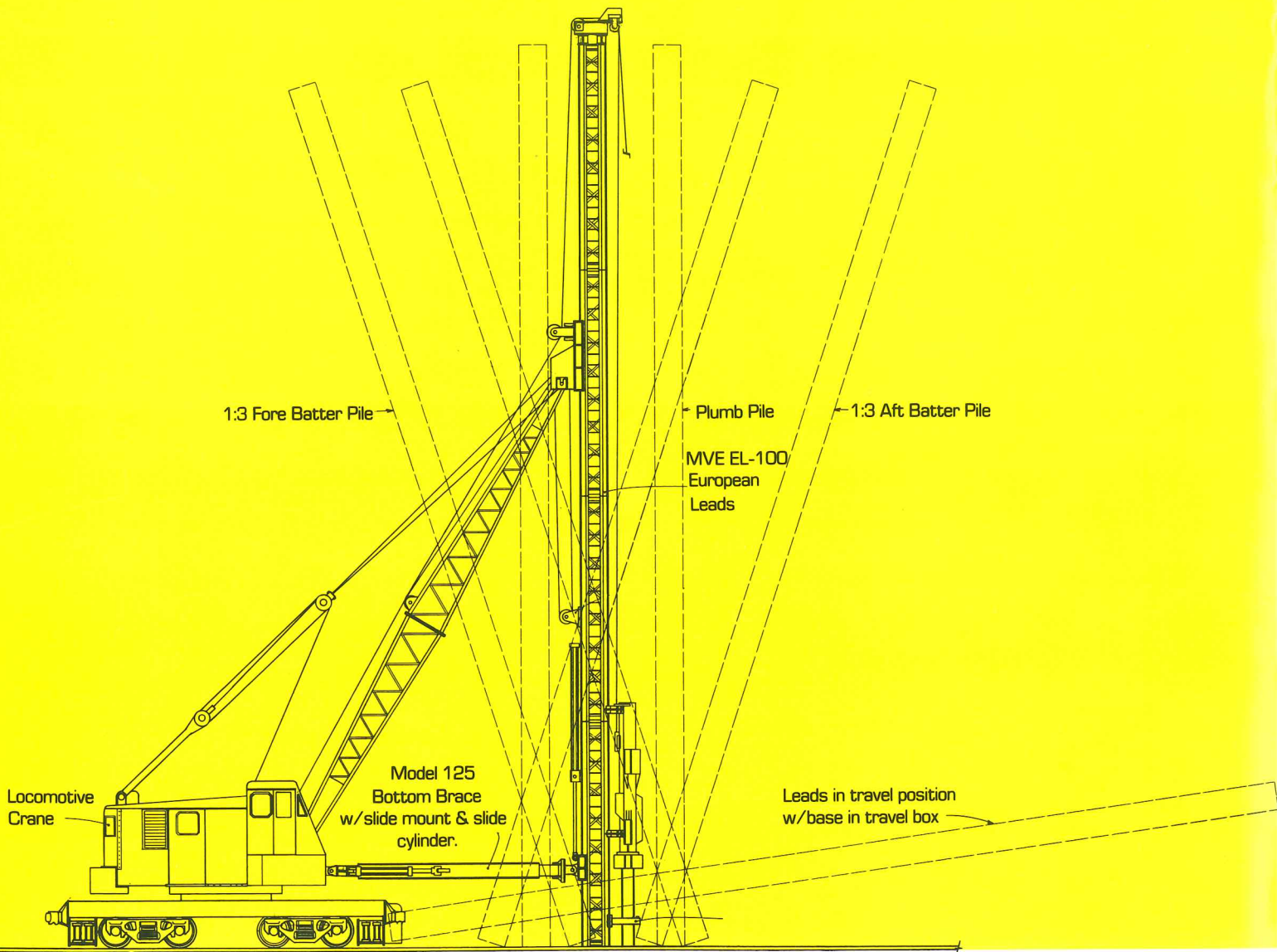
FIXED LEAD SYSTEMS



MVE Fixed Lead Systems provide maximum production where job conditions call for long pile lengths, extremely heavy piles, or accurate batters. Fixed leads are attached to the crane boom and supported by a bottom brace at the base of the leads. Three other special components are required for fixed leads: (1) a head sheave assembly, (2) boom adapter, and (3) base plate. Many optional features can be added to a fixed lead system to meet the specific needs for any pile driving application. Examples of some options are: Hydraulic Pile Gates (for locating and holding the pile in place within the leads). Side-Mounted Auger Tracks (for pre-drilling and pile driving from the same crane), and Lead Slides (for allowing the leads to be raised or lowered to work at varying grades.) MVE's engineering department can assist with other options designed to minimize job time and increase productivity.



MVE SWINGING LEAD SYSTEM



RAILROAD LEAD SYSTEMS

MVE Railroad Lead Systems were designed with the precise needs of a railroad pile driving application in mind. Our Railroad Leads feature lightweight components with the capability of rapid set-up and fold-down. The MVE Railroad Systems need only a three drum crane while most other systems require a four drum crane. MVE Railroad Systems use 1 line for the hammer, 1 line for the pile and 1 line for lead slide capability. In addition MVE Railroad Systems feature remote controls for direction of the entire pile driving operation from within the crane cab.