

DAVIT SYSTEMS

Davit Systems are a traditional and effective method to provide permanent access to exterior building facades

The basic system is comprised of:

- *fixed davit bases,*
- *portable davit arms (mast & boom assemblies)*
- *powered work platform*
- *dual-line suspension system*
- *horizontal life-lines*

Other davit system equipment available:

- *TIRFOR manual davit lifting hoists*
- *davit arm lifting brackets*
- *davit boom turning handles*
- *material lifting hoists*

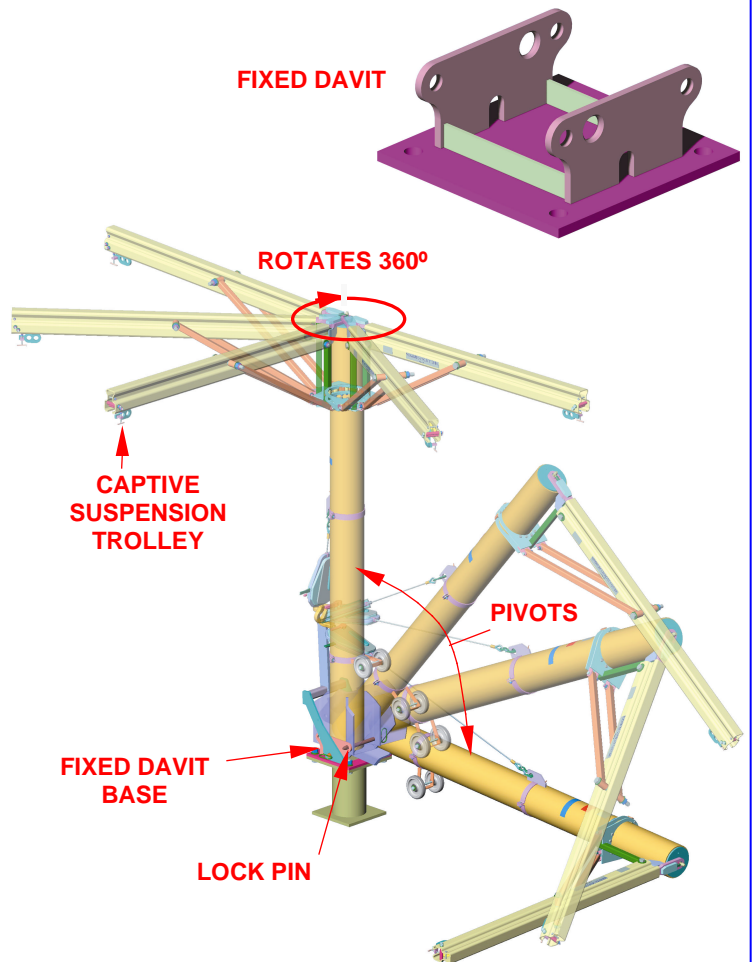
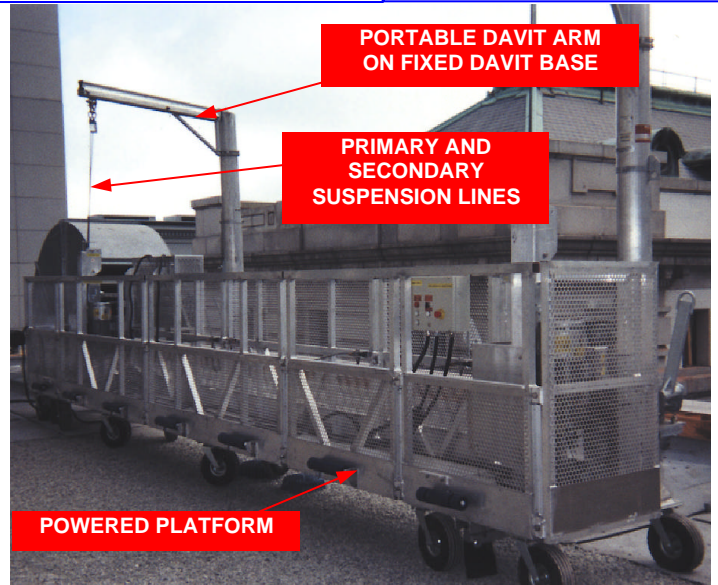
Special conditions can incorporate:

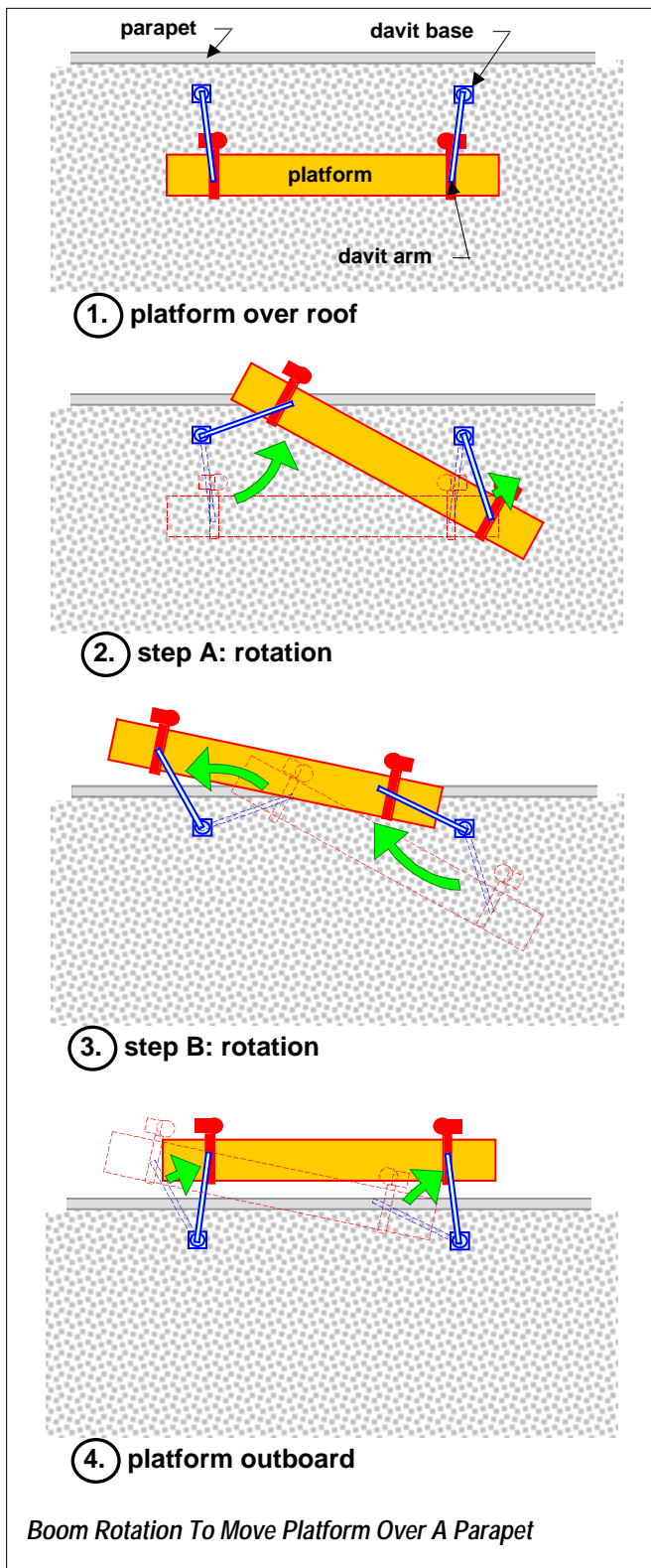
- *portable davit bases*
- *flush mounted pedestals*

Davit arms are typically used to suspend 20 to 30 foot (6m to 9m) long work platforms. This length is based on the spacing of the fixed bases – located at the structural elements of the building.

The davit boom rotates on a special rolling collar to allow the platform to be maneuvered over the parapet. The platform is suspended from a captive trolley allowing movement along the davit boom (see Davit Booms, T4756).

Single-user work cages and bosun’s chairs may also be suspended from individual davits.





The davit arms are hoisted into position and secured with pins provided. When the work is complete, the davit arms are relocated to the next work area.

Davit bases are the permanently fixed elements of a *Davit System*. Transportable davit arms are fitted to these bases.

Tractel standard davit bases are designed to accommodate typical applied loads, which vary according to mast height and boom reach (see Davit Bases T4752).

During installation, the leveling of these components is critical to allow ease of boom rotation when under load.

The Tractel **davit arm** is comprised of a separate boom & mast. This two-piece construction is easier to transport, and simplifies boom rotation.

Lower masts can also be used so that the boom height is just above the building's parapet. These **ground rigged systems** require a clear path of travel at ground level. With mast heights of 5'-6" (1.68m) or less, suspension arms are easy to handle. (see Davit Masts, T4755 and Davit Booms, T4756).

Standard **TRACMOD powered platforms** are supplied with suitable **TIRAK traction hoists**, complete with wire rope collection reeler. Many other standard features and options are also provided. (see TRACMOD Powered Platforms, T4763).

Standard Tractel davit systems are rigged with a primary suspension and secondary safety wire rope. This **dual-line suspension system** incorporates fixed horizontal life-lines along the length of the platform, to which each operator's body harness is connected.

U.S. Federal OSHA and CAN3 Canadian National Standards require that all davit systems must be designed by a Registered Professional Engineer, experienced with such systems.