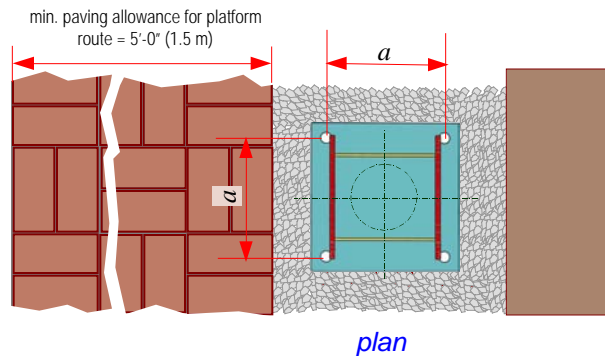
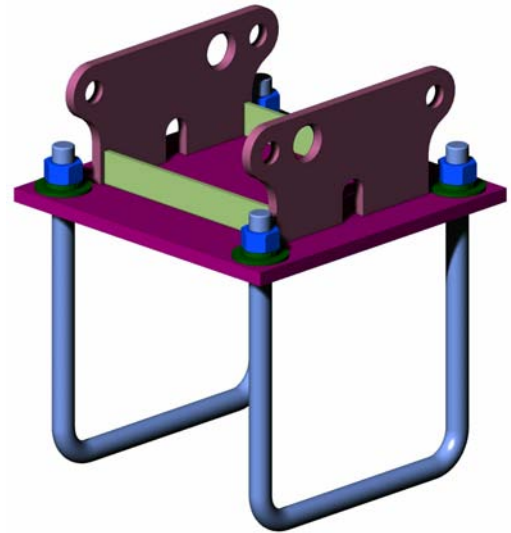


**davit bases**

Of the various types of *Davit Systems* available, those incorporating fixed **davit bases** are the best solution for long-term value.

The machined tolerances of Tractel's davit bases ensure the davit mast fits securely and quickly, with no extra parts to adjust. For this reason, fixed bases are components of the most labor-efficient davit system.

Fixed models can be mounted directly to the roof structure with cast-in anchors, as shown in fig. 1, below.



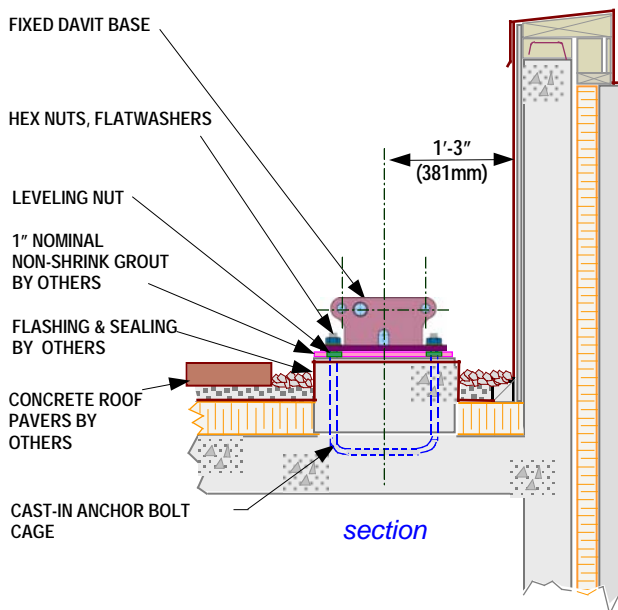
**DAVIT BASE – series DS**  
*bolted to cast-in-place anchor bolts*

**materials:**

base  
G40.21-44W galvanized steel  $F_y = 44$  KSI

anchor bolt cage  
A307 zinc plated steel

hex nuts, washers:  
A307 zinc plated or A325 galvanized steel



ref. no.	maximum davit boom reach	a	weight
DS5	8'-6" (2.59 m)	12" (305 mm)	70 lbs (32 kg)
DS8	12'-6" (3.81 m)	13" (330 mm)	90 lbs (41 kg)

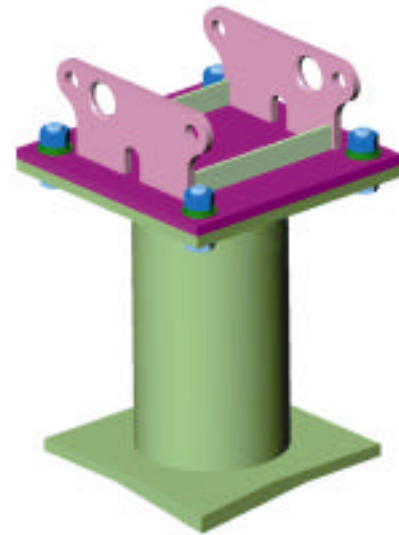
**fig. 1**

**davit bases (continued)**

Of the various types of *Davit Systems* available, those incorporating fixed **davit bases** mounted to **pedestals** supplied during construction are an efficient solution for long-term value.

Support pedestals can be supplied and welded to the structure during construction. Tractel can provide shop drawings indicating locations and structural requirements for the pedestals, as well as bolt hole locations for the sockets. Alternatively, this connection can be welded or clamped to these supports.

The machined tolerances of the bases ensure the davit mast fits securely and quickly, with no extra parts to adjust. For this reason, *fixed davit bases* are components of the most labor-efficient davit system.



**DAVIT BASE series DS**

***bolted to pedestal***

**materials:**

base

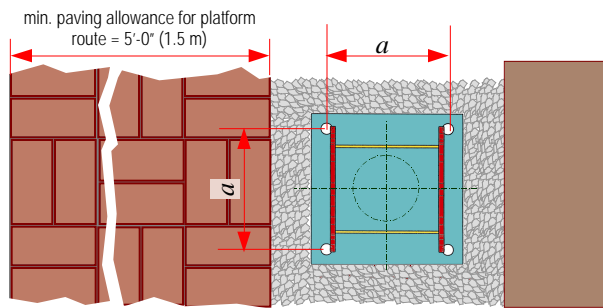
G40.21-44W galvanized steel  $F_y = 44$  KSI

anchor bolts

A307 zinc plated steel

hex bolts, nuts, washers:

A307 zinc plated or A325 galvanized steel



*plan*

**DAVIT PEDESTALS series DPB**

***clamped to concrete***

**materials:**

pedestal, clamp angle

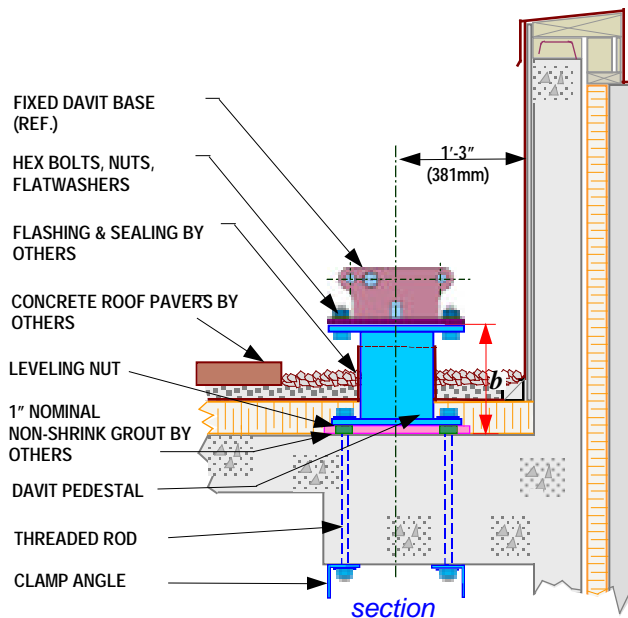
G40.21-44W galvanized steel  $F_y = 44$  KSI

anchor rod

A307 zinc plated steel

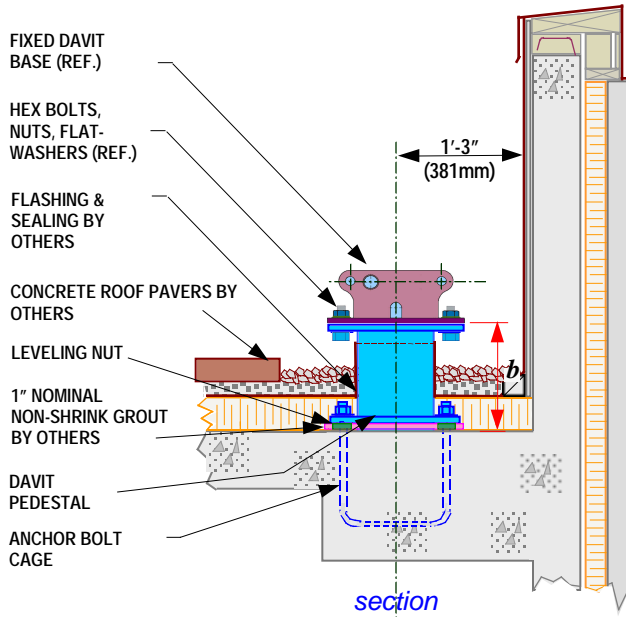
hex nuts, washers:

A307 zinc plated or A325 galvanized steel



**fig. 2**

ref. no.	maximum davit boom reach	a	weight
DS5	8'-6" (2.59 m)	12" (305 mm)	70 lbs (32 kg)
DS8	12'-6" (3.81 m)	13" (330 mm)	90 lbs (41 kg)



**fig. 3**

**DAVIT PEDESTALS series DPB**  
*bolted to cast-in-place anchor bolts*

**materials:**

pedestal

G40.21-44W galvanized steel  $F_y = 44 \text{ KSI}$

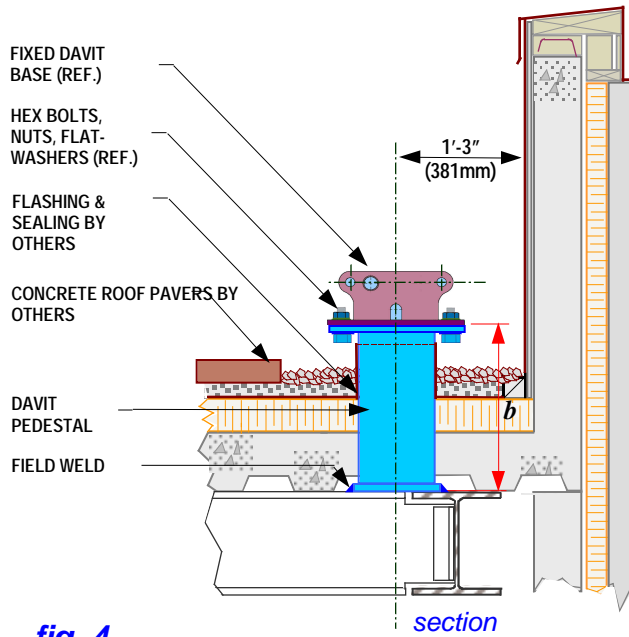
anchor bolt cage

A307 zinc plated steel

hex nuts, washers

A307 zinc plated or A325 galvanized steel

ref. no.	maximum davit boom reach	a	weight
DS5	8'-6" (2.59 m)	12" (305 mm)	70 lbs (32 kg)
DS8	12'-6" (3.81 m)	13" (330 mm)	90 lbs (41 kg)



**fig. 4**

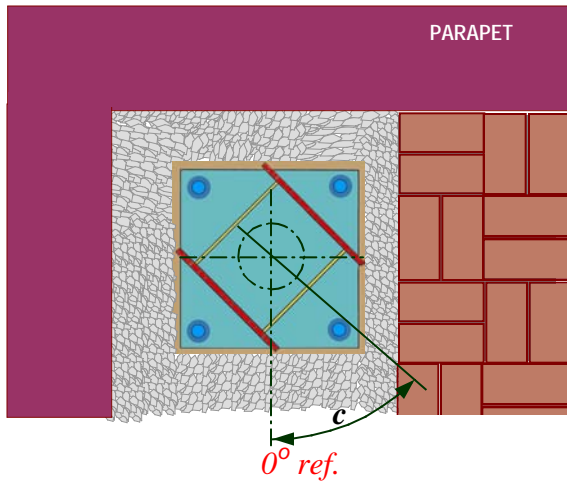
**DAVIT PEDESTALS series DPB**  
*welded to steel structure*

**materials:**

pedestal

G40.21-44W galvanized steel  $F_y = 44 \text{ KSI}$

ref. no.	maximum davit boom reach	a	weight
DS5	8'-6" (2.59 m)	12" (305 mm)	70 lbs (32 kg)
DS8	12'-6" (3.81 m)	13" (330 mm)	90 lbs (41 kg)



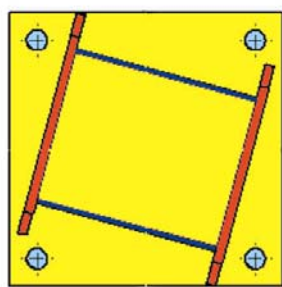
**davit base angulation**

Tractel davit bases are typically supplied at an angle to the parapet wall. This angulation ensures worker safety, as the davit arm erection never occurs alongside the parapet wall. Often all davit bases are supplied with the same angle to prevent incorrect location during installation.

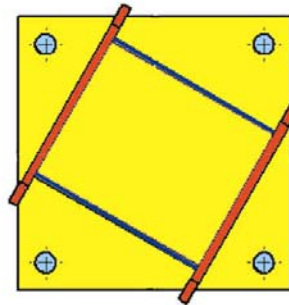
Angled davit bases are especially required when space limitations prevent erecting the davit arm at right angles to the parapet wall.

**fig. 11**

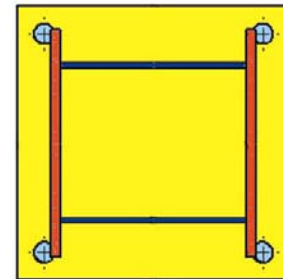
**TYPICAL ANGULATION – angle *c***



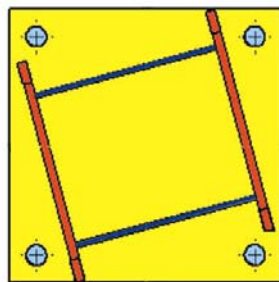
**15° CW - D3**



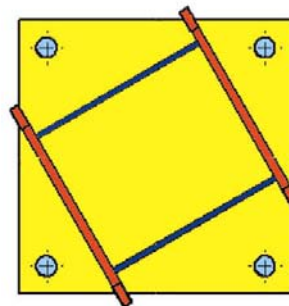
**30° CW - D4**



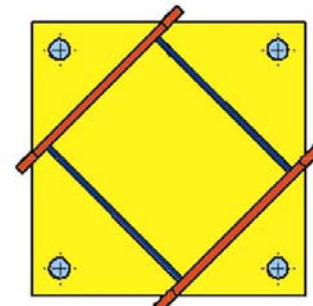
**0° - 90° - D0**



**15° CCW - D8**



**30° CCW - D9**



**45° - D5**