4' x 4' 120 cm x 120 cm Understructure

4'x4' Understructure with aluminum access floor panel.

System Highlights

- Available for 24" or 60 cm steel or aluminum access floor panels
- Provides large areas of underfloor space for piping, ventilation, and electrical requirements
- Used in conjunction with waffle slabs

Benefits

PERFORMANCE

- Designed to minimize panel deflection so that the performance of the panel is not degraded
- Tolerance and performance compatible with Tate's access floor panels
- Designed for seismic lateral loading per the 1997 Uniform Building Code (UBC) without diagonal bracing

EASE OF USE

- Can be installed easily using lock bolts and tapped holes for top installation; holes are oversized for adjustment; location of secondary pedestals (which hold panels) can be adjusted easily to meet panel tolerances
- UNISTRUT® or other cable hanging devices can be easily attached to posts

The Perfect Solution for Creating Large Underfloor Spaces for Piping, Ventilation and Electrical Requirements

4'x4' Understructure with steel access floor panel

Tate Access Floors, Inc.

Specifications

PRODUCT DESCRIPTION

Tate's 4'x4' understructure is designed to meet the growing need for larger underfloor spaces. It meets both domestic and international dimensional requirements and seismic lateral loads per the UBC 1997. The primary and secondary structural beams and support posts are made from square steel tubing finished with E-coat paint. Standard finished floor heights range from 24" to 60". Non-standard finished floor heights and coatings are also available.

SYSTEM PERFORMANCE

Primary and Secondary Structural Beams

- When mounted to support posts without panels, beams are capable of supporting a concentrated load of 1,500 lbs. (680 kg) at the center of the 4' span with a deflection not to exceed .100'' (2.54 mm) and a permanent set not to exceed .010" (.25 mm) after the load is removed
- When mounted on rigid blocks, beams are capable of supporting a concentrated load of 1500 lbs. (680 kg) at the center of the span with a deflection not to exceed .040'' (1.02 mm) and a permanent set not to exceed .010" (.25 mm) after the load is removed

Support Post Assembly

- Provides a 10,000 lb. (4536 kg) axial load without permanent deformation
- Withstands seismic lateral loads without diagonal bracing
- Stainless steel ANSI $^{3}/_{8}$-16 hex head lock bolt fasteners are used for mounting

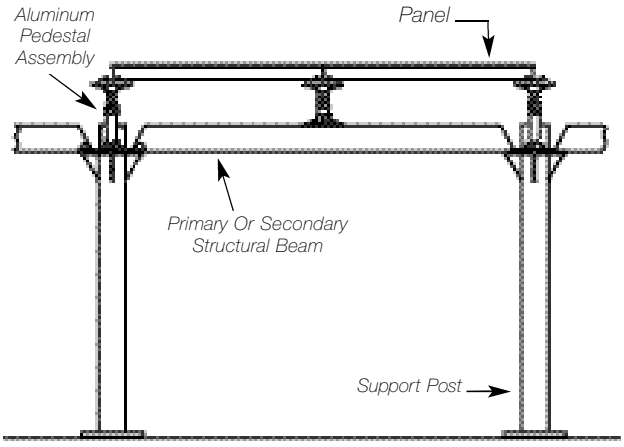
Aluminum Pedestal Assembly

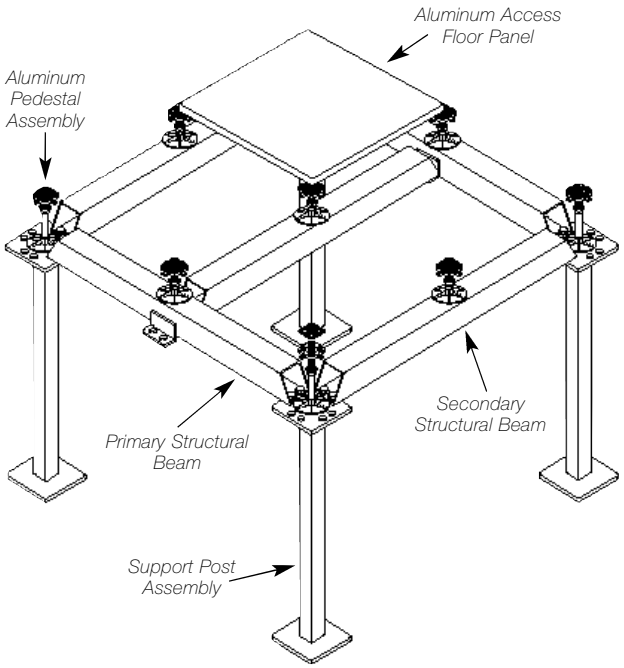
- Die cast aluminum head and base with locking collar and nut assembly
- Bases bonded to primary and secondary structural beams and support post assembly
- Steel understructure available utilizing die cast aluminum head
- The Xena® 3000 panel or the FF3000 can be used for heavy duty applications when utilizing the Type 4 steel understructure and cast aluminum head

Steel Pedestal Assembly

- All standard 4" square base plate pedestal assemblies are compatible with this understructure
- Bases bonded to primary and secondary structural beams and support post assembly
- All Tate steel panels, including the heavy duty Xena® 3000

are compatible with this understructure





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