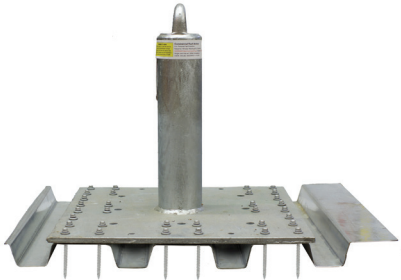


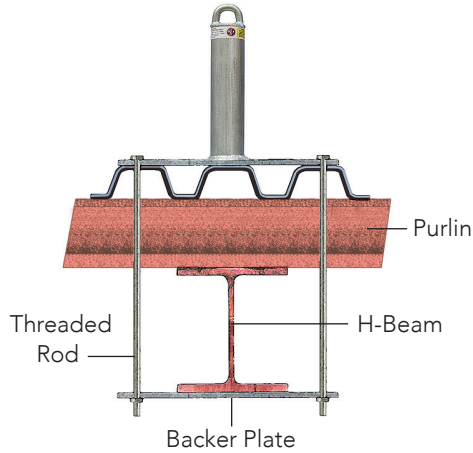
# Installation Details

Typical installation details as specified in SAS commercial anchor manuals are mechanical fastened with SAS certified screws, bolt attached, concrete substrate or field welded. Backer plates are used with long length bolts or threaded rod. Custom installation specifications and engineering are available upon request.

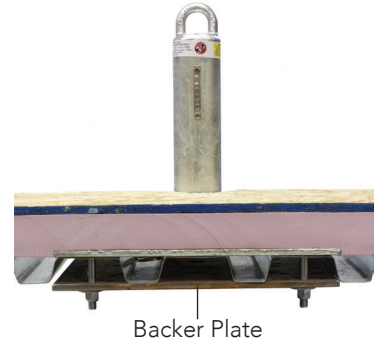
**Type B Metal Decking  
Mechanical Fastened**



**Bolt Attached  
Structural Steel**



**Type B Metal Decking  
Bolt Attached w/Backer Plate**



**Wood Substrate  
Mechanical Fastened**



**Concrete Pour in Place  
or Wedge Bolt**



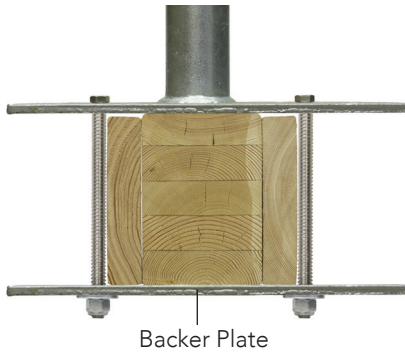
**Bolt Attached H-Beam  
w/Backer Plate**



**Field Welded to  
structural steel**



**Bolt Attached Wood Beam  
w/Backer Plate**



**Bolt Attached Steel Beam**



**Bolt Attached D-Plate  
w/Backer Plate**

