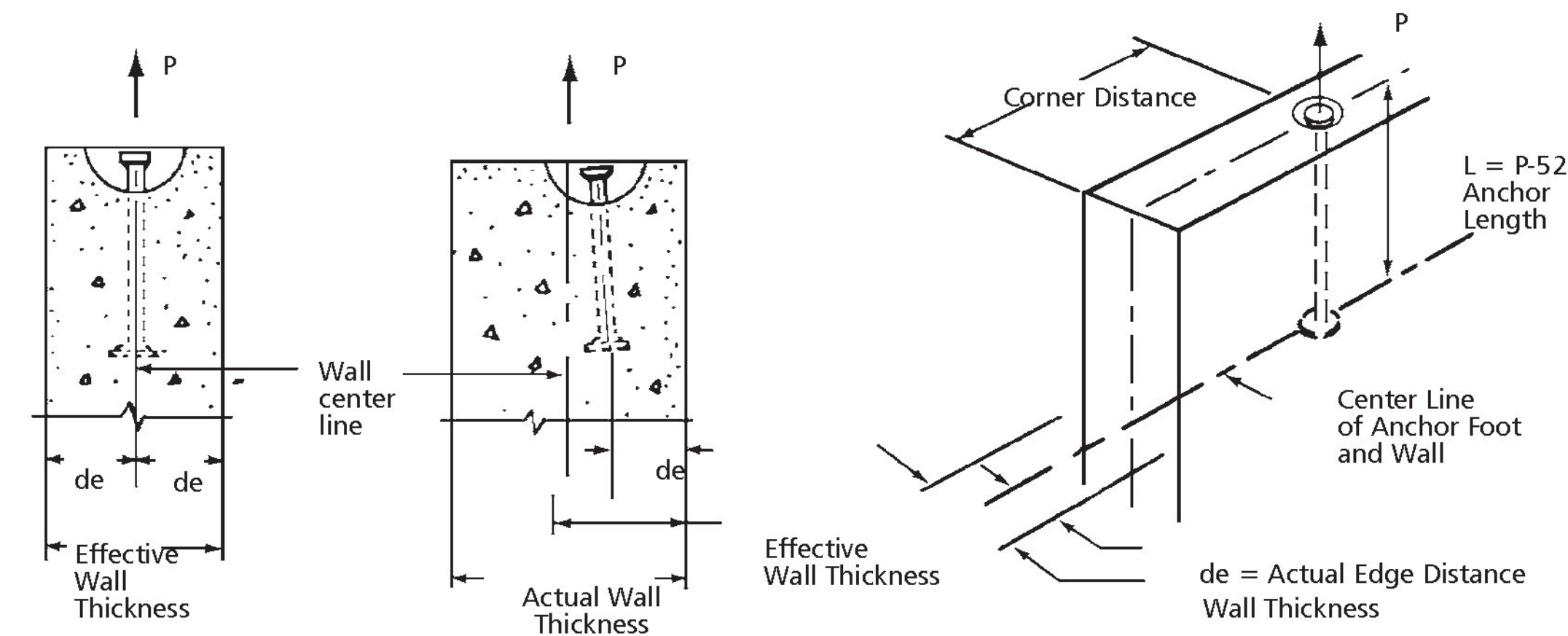


P-52 Swift Lift Anchor in Thin Walls

The P-52 Swift Lift Anchors, listed below, must be located the minimum distance away from a corner with the anchor foot being positioned at the center line of the wall. The anchor head location may be off center, however, any eccentricity of the foot will result in a reduction of the safe working load. When the anchor foot is not positioned at the center line of the wall, the effective wall thickness is equal to twice the actual edge distance.

To develop the safe working load of the P-52 Swift Lift Anchor, the minimum spacing between two anchors is six times the anchor length.



Swift Lift Anchor Effective Tensile Capacity in Thin Walls

Swift Lift Anchor Ton x Length	Effective Wall Thickness 2 de	Actual Edge Distance de	Tensile Safe Working Load Per Anchor				
			Actual Corner Distance				
			6"	12"	18"	24"	30"
1 Ton x 4-3/4" Long	2-1/2"	1-1/4"	900 lbs.	1,100 lbs.	1,200 lbs.	1,200 lbs.	1,200 lbs.
	2-3/4"	1-3/8"	1,000 lbs.	1,200 lbs.	1,300 lbs.	1,300 lbs.	1,300 lbs.
	3"	1-1/2"	1,100 lbs.	1,300 lbs.	1,400 lbs.	1,400 lbs.	1,400 lbs.
	3-1/2"	1-3/4"	1,200 lbs.	1,600 lbs.	1,600 lbs.	1,600 lbs.	1,600 lbs.
	4"	2"	1,450 lbs.	1,800 lbs.	1,900 lbs.	1,900 lbs.	1,900 lbs.
1 Ton x 9-1/2" Long	4-1/2"	2-1/4"	1,600 lbs.	2,000 lbs.	2,000 lbs.	2,000 lbs.	2,000 lbs.
	2-1/2"	1-1/4"	1,300 lbs.	1,700 lbs.	1,900 lbs.	1,900 lbs.	1,900 lbs.
	2-3/4"	1-3/8"	1,400 lbs.	1,900 lbs.	2,000 lbs.	2,000 lbs.	2,000 lbs.
	3"	1-1/2"	1,500 lbs.	2,000 lbs.	2,000 lbs.	2,000 lbs.	2,000 lbs.
	3-1/2"	1-3/4"	1,800 lbs.	2,000 lbs.	2,000 lbs.	2,000 lbs.	2,000 lbs.
	4"	2"	2,000 lbs.	2,000 lbs.	2,000 lbs.	2,000 lbs.	2,000 lbs.
	4-1/2"	2-1/4"	2,000 lbs.	2,000 lbs.	2,000 lbs.	2,000 lbs.	2,000 lbs.

Safe Working Load provides a factor of safety of approximately 4 to 1 in 4,500 psi normal weight concrete.

Vermont Agency of Transportation
RECEIVED
 CK'D BY NVDB, JW, KM, TM OK'D BY JG
 March 21, 2017
 RESUBMIT No Approved
 BY K. Higgins DATE 03/23/17