

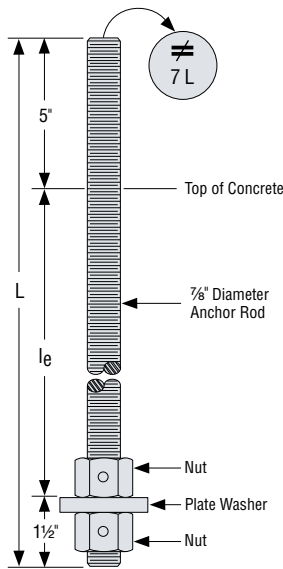
WOOD STRONG-WALL®: Anchorage Solutions

SWAB ANCHOR BOLTS



SWAB $\frac{7}{8}$ anchor bolts were developed to provide anchorage solutions for Wood Strong-Wall® shearwalls in accordance with the provisions of ACI 318-05. This code listed anchor bolt is easy to inspect; the head is stamped with a “No Equal” symbol for identification, bolt length and bolt diameter. Available in four lengths, the SWAB $\frac{7}{8}$ provides a range of embedment options for seismic or wind solutions in cracked or uncracked concrete conditions.

MATERIAL: ASTM F1554 Gr. 36



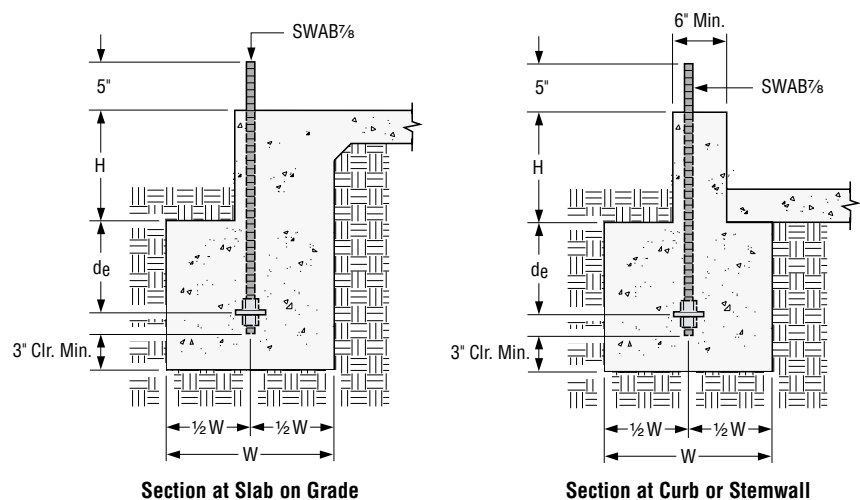
SWAB $\frac{7}{8}$ Anchor Bolt

Model No.	L (in)	le (in)
SWAB $\frac{7}{8}$ x18	18	11½
SWAB $\frac{7}{8}$ x24	24	17½
SWAB $\frac{7}{8}$ x30	30	23½
SWAB $\frac{7}{8}$ x36	36	29½

FOUNDATION DIMENSIONS FOR ANCHORAGE SOLUTIONS

Design Criteria	Concrete Condition	ASD Allowable Uplift (lbs)	W (in)	de (in)
Seismic	Cracked	13000	29	10
	Uncracked	13000	21	7
Wind	Cracked	6500	16	6
		9700	21	7
		13000	26	9
	Uncracked	6600	14	6
		9600	18	6
		13000	22	8

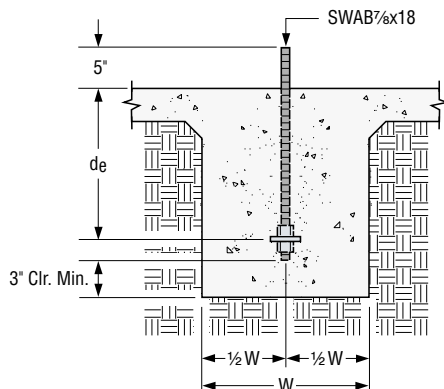
1. Anchorage designs conform to ACI 318 Appendix D and assume minimum $f'_c = 2500$ psi concrete, ASTM A307 or ASTM F1554, Grade 36 anchor rods and no supplementary reinforcement. High-strength anchorage design by Designer when required.
2. Seismic indicates Seismic Design Category C through F. Detached 1 and 2 family dwellings in SDC C may use wind anchorage solutions. Seismic anchorage designs conform to ACI 318-05 Section D.3.3.4.
3. Wind includes Seismic Design Category A and B.
4. Foundation dimensions are for anchorage only. Foundation design (*size and reinforcement*) by Designer. The Registered Design Professional may specify alternate embedment, footing size or anchor bolt.



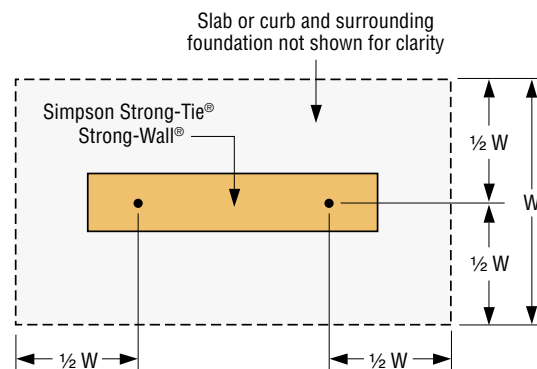
Section at Slab on Grade

Section at Curb or Stemwall

H = 13½" maximum with SWAB $\frac{7}{8}$ x30 anchor bolt when $d_e = 10"$.
 H = 19½" maximum with SWAB $\frac{7}{8}$ x36 anchor bolt when $d_e = 10"$.



Section at Interior Foundation



Foundation Plan