



# Seismic



Wall Selection and Anchorage Classification:

## TWO-STORY-STACKED-ON-FOUNDATION APPLICATION

Equivalent Wall-Bracing Length (ft)	1st-Story Wall Model (on foundation)	2nd-Story Wall Model	Base Material Under 1st-Story Wall	
			Concrete 	CMU 
4	SSW18x8-STK	SSW18x8	E	NS
	SSW18x9-STK	SSW18x8	E	NS
		SSW18x9	F	NS
	SSW18x10-STK	SSW18x8	F	NS
		SSW18x9	F	NS
		SSW18x10	F	NS
	SSW18x11-STK	SSW18x8	F	NS
		SSW18x9	F	NS
		SSW18x10	F	NS
	SSW18x12-STK	SSW18x8	F	NS
		SSW18x9	F	NS
		SSW18x10	G	NS
	SSW21x8-STK	SSW21x8	D	E
	SSW21x9-STK	SSW21x8	E	E
		SSW21x9	E	E
	SSW21x10-STK	SSW21x8	E	F
		SSW21x9	E	F
		SSW21x10	E	F
	SSW21x11-STK	SSW21x8	E	F
		SSW21x9	E	F
		SSW21x10	E	NS
	SSW21x12-STK	SSW21x8	E	NS
		SSW21x9	E	NS
		SSW21x10	F	NS
	SSW24x8-STK	SSW24x8	D	D
	SSW24x9-STK	SSW24x8	D	D
		SSW24x9	D	E
	SSW24x10-STK	SSW24x8	D	E
		SSW24x9	D	E
		SSW24x10	D	E
SSW24x11-STK	SSW24x8	D	E	
	SSW24x9	E	E	
	SSW24x10	E	E	
SSW24x12-STK	SSW24x8	E	E	
	SSW24x9	E	E	
	SSW24x10	E	E	
SW24x8	SW24x8-RF	D	NS	
SW24x9	SW24x8-RF	D	NS	
	SW24x9-RF	D	NS	
SW24x10	SW24x8-RF	D	NS	
	SW24x9-RF	D	NS	
		SW24x10-RF	E	NS



See footnotes on page 35.

Seismic



Wall Selection and Anchorage Classification:

## TWO-STORY-STACKED-ON-FOUNDATION APPLICATION

Equivalent Wall-Bracing Length (ft)	1st-Story Wall Model (on foundation)	2nd-Story Wall Model	Base Material Under 1st-Story Wall	
			Concrete 	CMU 
6	SSW18x8-STK	SSW18x8	G	NS
	SSW18x9-STK	SSW18x8	G	NS
	SSW21x8-STK	SSW21x8	F	NS
	SSW21x9-STK	SSW21x8	F	NS
		SSW21x9	F	NS
	SSW21x10-STK	SSW21x8	G	NS
		SSW21x9	G	NS
		SSW21x10	G	NS
	SSW21x11-STK	SSW21x8	G	NS
		SSW21x9	G	NS
		SSW21x10	G	NS
	SSW21x12-STK	SSW21x8	G	NS
		SSW21x9	G	NS
		SSW21x10	G	NS
	SSW24x8-STK	SSW24x8	E	F
	SSW24x9-STK	SSW24x8	E	F
		SSW24x9	F	G
	SSW24x10-STK	SSW24x8	F	G
		SSW24x9	F	NS
		SSW24x10	F	NS
SSW24x11-STK	SSW24x8	F	NS	
	SSW24x9	F	NS	
	SSW24x10	F	NS	
SSW24x12-STK	SSW24x8	F	NS	
	SSW24x9	F	NS	
	SSW24x10	G	NS	
8	SSW21x8-STK	SSW21x8	G	NS
	SSW21x9-STK	SSW21x8	G	NS
		SSW21x9	H	NS
	SSW21x10-STK	SSW21x8	H	NS
		SSW21x9	H	NS
		SSW21x10	H	NS
	SSW24x8-STK	SSW24x8	F	NS
	SSW24x9-STK	SSW24x8	G	NS
		SSW24x9	G	NS
	SSW24x10-STK	SSW24x8	G	NS
		SSW24x9	G	NS
		SSW24x10	G	NS
	SSW24x11-STK	SSW24x8	G	NS
		SSW24x9	G	NS
		SSW24x10	G	NS
SSW24x12-STK	SSW24x8	G	NS	
	SSW24x9	H	NS	
	SSW24x10	H	NS	

- See pages 46-69 for anchorage solutions.
- For 11' and 12' 1st-story wall heights, increase wall-bracing length as required by IRC R301.3.
- Maximum second-floor joist depth for two-story stacked applications is 18" for SSW.
- Maximum shim block height is 7/8". Contact Simpson Strong-Tie for solutions using taller shim blocks.
- SW 1st-story wall models require full-height stud to be face nailed to SW post each side of wall with 10d common nails at 6" o.c. staggered.
- SW wall models require 1 1/2" end distance from corner to accommodate additional stud.
- SSW models require a two-story stacked connection kit depending on wall model width as follows:  
SSW18-2KT, SSW21-2KT, or SSW24-2KT.
- NS = No solution available.
- See general notes for additional information.

