


Wall Selection and Anchorage Classification:

TWO-STORY-STACKED-ON-WOOD-FLOOR APPLICATION

Equivalent Wall-Bracing Length (ft)	1st-Story Wall Model (on wood floor)	2nd-Story Wall Model	Base Material Under 1st-Story Wall
			Wood Floor 
2.5	SSW15x8-STK	SSW15x8	D
	SSW15x9-STK	SSW15x8	D
		SSW15x9	E
	SSW15x10-STK	SSW15x8	E
	SSW18x8-STK	SSW18x8	D
	SSW18x9-STK	SSW18x8	D
		SSW18x9	D
	SSW18x10-STK	SSW18x8	D
		SSW18x9	D
		SSW18x10	D
	SSW18x11-STK	SSW18x8	D
		SSW18x9	D
		SSW18x10	D
	SSW18x12-STK	SSW18x8	D
		SSW18x9	D
		SSW18x10	D
	SSW21x8-STK	SSW21x8	C
	SSW21x9-STK	SSW21x8	C
		SSW21x9	C
	SSW21x10-STK	SSW21x8	C
		SSW21x9	C
		SSW21x10	C
	SSW21x11-STK	SSW21x8	C
		SSW21x9	D
		SSW21x10	D
	SSW21x12-STK	SSW21x8	D
		SSW21x9	D
		SSW21x10	D
	SSW24x8-STK	SSW24x8	B
	SSW24x9-STK	SSW24x8	C
		SSW24x9	C
	SSW24x10-STK	SSW24x8	C
SSW24x9		C	
SSW24x10		C	
SSW24x11-STK	SSW24x8	C	
	SSW24x9	C	
	SSW24x10	C	
SSW24x12-STK	SSW24x8	C	
	SSW24x9	C	
	SSW24x10	C	
SW18x8-RF	SW18x8-RF	C	
SW18x9-RF	SW18x8-RF	D	
	SW18x9-RF	D	
SW24x8-RF	SW24x8-RF	B	
SW24x9-RF	SW24x8-RF	B	
	SW24x9-RF	C	
SW24x10-RF	SW24x8-RF	C	
	SW24x9-RF	C	
	SW24x10-RF	C	


1. See pages 46-69 for anchorage solutions.
2. For 11' and 12' 1st-story wall heights, increase wall-bracing length as required by IRC R301.3.
3. Maximum first-floor joist depth for wood-floor applications is 16" for SSW.
4. Maximum second-floor joist depth for two-story stacked applications is 18" for SSW.
5. Maximum shim block height is 7/8". Contact Simpson Strong-Tie for solutions using taller shim blocks.
6. SW-RF 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.
7. SW-RF models require 1 1/2" end distance from corner to accommodate end-post bearing plate and additional stud.
8. SSW models require a wood first-floor connection kit depending on wall model width as follows: SSW15-1KT, SSW18-1KT, SSW21-1KT, or SSW24-1KT.
9. SSW models require a two-story stacked connection kit depending on wall model width as follows: SSW15-2KT, SSW18-2KT, SSW21-2KT, or SSW24-2KT.
10. NS = No solution available.
11. See general notes for additional information.

Wind



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			Wood Floor 
4	SSW21x8-STK	SSW21x8	D
	SSW21x9-STK	SSW21x8	D
		SSW21x9	D
	SSW21x10-STK	SSW21x8	E
		SSW21x9	E
	SSW21x11-STK	SSW21x8	E
	SSW24x8-STK	SSW24x8	D
	SSW24x9-STK	SSW24x8	D
		SSW24x9	D
	SSW24x10-STK	SSW24x8	D
		SSW24x9	D
		SSW24x10	D
	SSW24x11-STK	SSW24x8	D
		SSW24x9	D
		SSW24x10	D
	SSW24x12-STK	SSW24x8	D
SSW24x9		D	
SSW24x10		E	
SW24x8-RF	SW24x8-RF	D	

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3. Maximum first-floor joist depth for wood-floor applications is 16" for SSW.
4. Maximum second-floor joist depth for two-story stacked applications is 18" for SSW.
5. Maximum shim block height is 3/8". Contact Simpson Strong-Tie for solutions using taller shim blocks.
6. SW-RF 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.
7. SW-RF models require 1 1/2" end distance from corner to accommodate end-post bearing plate and additional stud.
8. SSW models require a wood first-floor connection kit depending on wall model width as follows:
SSW15-1KT, SSW18-1KT, SSW21-1KT, or SSW24-1KT.
9. SSW models require a two-story stacked connection kit depending on wall model width as follows:
SSW15-2KT, SSW18-2KT, SSW21-2KT, or SSW24-2KT.
10. NS = No solution available.
11. See general notes for additional information.

Wind

