



Wall Selection and Anchorage Classification:

FIRST-STORY-ON-WOOD-FLOOR APPLICATION

| Equivalent Wall-Bracing Length (ft) | Wall Model | Single-Story Application | 1st Story of 2- or 3-Story Application |
|-------------------------------------|------------|--|---|
| | | Wood Floor  | Wood Floor  |
| 4 | SSW15x8 | C | D |
| | SSW15x9 | C | E |
| | SSW15x10 | D | NS |
| | SSW15x11 | D | NS |
| | SSW18x11 | C | E |
| | SSW15x12 | D | NS |
| | SSW18x12 | C | E |
| | SW18x8-RF | B | NS |
| | SW24x8-RF | A | B |
| | SW18x9-RF | B | NS |
| | SW24x9-RF | B | C |
| SW24x10-RF | B | C | |
| 6 | SSW15x8 | D | NS |
| | SSW18x8 | C | E |
| | SSW15x9 | D | NS |
| | SSW18x9 | D | E |
| | SSW15x10 | E | NS |
| | SSW18x10 | D | NS |
| | SSW21x10 | C | E |
| | SSW18x11 | D | NS |
| | SSW21x11 | D | E |
| | SSW18x12 | E | NS |
| | SSW21x12 | D | NS |
| | SSW24x12 | C | E |
| | SW18x8-RF | C | NS |
| | SW24x8-RF | B | NS |
| SW24x9-RF | B | NS | |
| SW24x10-RF | C | NS | |
| 8 | SSW15x8 | E | NS |
| | SSW18x8 | D | NS |
| | SSW21x8 | D | E |
| | SSW18x9 | E | NS |
| | SSW21x9 | D | NS |
| | SSW24x9 | C | E |
| | SSW18x10 | E | NS |
| | SSW21x10 | D | NS |
| | SSW24x10 | D | E |
| | SSW18x11 | E | NS |
| | SSW21x11 | D | NS |
| | SSW24x11 | D | NS |
| | SSW21x12 | E | NS |
| SSW24x12 | D | NS | |
| SW24x8-RF | C | NS | |

1. See pages 46-69 for anchorage solutions.
2. For 11' and 12' wall heights, increase wall-bracing length as required by IRC R301.3.
3. Maximum floor joist depth is 16" for SSW.
4. SW-RF models require 1½" end distance from corner to accommodate end-post bearing plate.
5. 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.
6. NS = No solution available.
7. See general notes for additional information.

Seismic

