



STEEL FRAMING STUDS

COMPOSITE LIMITING WALL HEIGHTS

| STUD DESIGNATION | SPACING o/c (in.) | 5 PSF | | | 7.5 PSF | | | 10 PSF | | |
|-------------------------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 |
| 362RS125-18 (50 ksi) | DESIGN THICKNESS (0.0195) | | | | | | | | | |
| | 16" | 18'-9" | 14'-11" | 12'-2" | 16'-5" | 13'-0" | 10'-8" | 14'-11" | 11'-10" | 9'-8" |
| | 24" | 16'-5" | 13'-0" | 11'-4" | 14'-4" | 11'-4" | 9'-11" | 13'-0" | 10'-4" | 9'-0" |
| 362RS162-18 (50 ksi) | DESIGN THICKNESS (0.0195) | | | | | | | | | |
| | 16" | 19'-9" | 15'-8" | 13'-9" | 17'-3" | 13'-9" | 12'-0" | 15'-8" | 12'-6" | 10'-11" |
| | 24" | 17'-3" | 13'-9" | 12'-0" | 15'-1" | 13'-0" | 10'-6" | 13'-9" | 10'-11" | 9'-6" |
| 362RS125-30 (50 ksi) | DESIGN THICKNESS (0.0312) | | | | | | | | | |
| | 16" | 22'-10" | 17'-10" | 15'-10" | 19'-11" | 15'-7" | 13'-10" | 18'-1" | 14'-2" | 12'-7" |
| | 24" | 19'-11" | 15'-10" | 13'-10" | 17'-5" | 13'-10" | 12'-1" | 15'-10" | 12'-7" | 11'-0" |
| 362RS162-30 (50 ksi) | DESIGN THICKNESS (0.0312) | | | | | | | | | |
| | 16" | 24'-0" | 19'-1" | 16'-8" | 21'-0" | 16'-8" | 14'-7" | 19'-1" | 15'-2" | 13'-3" |
| | 24" | 21'-0" | 16'-8" | 14'-7" | 18'-4" | 14'-7" | 12'-9" | 16'-8" | 13'-3" | 11'-7" |
| 362RS162-34 (50 ksi) | DESIGN THICKNESS (0.0346) | | | | | | | | | |
| | 16" | 24'-10" | 19'-9" | 17'-3" | 21'-8" | 17'-3" | 15'-1" | 19'-9" | 15'-8" | 13'-8" |
| | 24" | 21'-8" | 17'-3" | 15'-1" | 18'-11" | 15'-1" | 13'-2" | 17'-3" | 13'-8" | 11'-11" |
| 362RS162-43 (50 ksi) | DESIGN THICKNESS (0.0451) | | | | | | | | | |
| | 16" | 24'-6" | 19'-5" | 17'-0" | 21'-5" | 17'-0" | 14'-10" | 19'-5" | 15'-5" | 13'-6" |
| | 24" | 21'-4" | 16'-11" | 14'-10" | 18'-8" | 14'-10" | 12'-11" | 16'-11" | 13'-6" | 11'-9" |
| 400RS162-18 (50 ksi) | DESIGN THICKNESS (0.0195) | | | | | | | | | |
| | 16" | 19'-10" | 15'-9" | 13'-9" | 17'-4" | 13'-9" | 12'-0" | 15'-9" | 12'-6" | 10'-11" |
| | 24" | 17'-4" | 13'-9" | 12'-0" | 15'-2" | 12'-0" | 10'-6" | 13'-9" | 10'-11" | 9'-7" |
| 400RS162-19 (50 ksi) | DESIGN THICKNESS (0.0195) | | | | | | | | | |
| | 16" | 23'-11" | 19'-0" | 16'-7" | 20'-11" | 16'-7" | 14'-6" | 19'-0" | 15'-1" | 13'-2" |
| | 24" | 20'-11" | 16'-7" | 14'-7" | 18'-3" | 14'-6" | 12'-8" | 16'-7" | 13'-2" | 11'-6" |
| 400RS162-20 (50 ksi) | DESIGN THICKNESS (0.021) | | | | | | | | | |
| | 16" | 25'-0" | 19'-10" | 17'-4" | 21'-10" | 17'-4" | 15'-2" | 19'-10" | 15'-9" | 13'-9" |
| | 24" | 21'-10" | 17'-4" | 15'-2" | 19'-1" | 15'-2" | 13'-3" | 17'-4" | 13'-9" | 12'-0" |
| 400RS125-30 (50 ksi) | DESIGN THICKNESS (0.0312) | | | | | | | | | |
| | 16" | 24'-1" | 19'-1" | 16'-8" | 21'-0" | 16'-8" | 14'-7" | 19'-1" | 15'-2" | 13'-3" |
| | 24" | 21'-2" | 16'-10" | 14'-8" | 18'-8" | 14'-9" | 12'-10" | 16'-10" | 13'-4" | 11'-8" |



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| STUD DESIGNATION | SPACING o/c (in.) | 5 PSF | | | 7.5 PSF | | | 10 PSF | | |
|-------------------------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 |
| 400RS137-30 (50 ksi) | DESIGN THICKNESS (0.0312) | | | | | | | | | |
| | 16" | 24'-9" | 19'-7" | 17'-2" | 21'-7" | 17'-2" | 15'-0" | 19'-7" | 15'-7" | 13'-7" |
| | 24" | 21'-7" | 17'-2" | 15'-0" | 18'-10" | 15'-0" | 13'-1" | 17'-2" | 13'-7" | 11'-11" |
| 400RS162-30 (50 ksi) | DESIGN THICKNESS (0.0312) | | | | | | | | | |
| | 16" | 24'-2" | 19'-3" | 16'-9" | 21'-2" | 16'-9" | 14'-8" | 19'-3" | 15'-3" | 13'-4" |
| | 24" | 21'-2" | 16'-9" | 14'-8" | 18'-6" | 14'-8" | 12'-10" | 16'-9" | 13'-4" | 11'-8" |
| 400RS137-34 (50 ksi) | DESIGN THICKNESS (0.0346) | | | | | | | | | |
| | 16" | 25'-7" | 20'-3" | 17'-9" | 22'-4" | 17'-9" | 15'-6" | 20'-3" | 16'-1" | 14'-1" |
| | 24" | 22'-4" | 17'-9" | 15'-6" | 19'-6" | 15'-6" | 13'-6" | 17'-9" | 14'-1" | 12'-3" |
| 400RS162-34 (50 ksi) | DESIGN THICKNESS (0.0346) | | | | | | | | | |
| | 16" | 26'-5" | 21'-0" | 18'-4" | 23'-1" | 18'-4" | 16'-0" | 21'-0" | 16'-8" | 14'-7" |
| | 24" | 23'-1" | 19'-11" | 17'-5" | 20'-2" | 17'-5" | 15'-3" | 18'-4" | 15'-10" | 13'-10" |
| 400RS162-43 (50 ksi) | DESIGN THICKNESS (0.0451) | | | | | | | | | |
| | 16" | 28'-9" | 20'-11" | 19'-11" | 25'-2" | 18'-3" | 17'-5" | 22'-10" | 16'-7" | 15'-10" |
| | 24" | 25'-1" | 19'-11" | 17'-5" | 21'-11" | 17'-5" | 15'-3" | 19'-11" | 15'-10" | 13'-10" |
| 400RS200-43 (50 ksi) | DESIGN THICKNESS (0.0451) | | | | | | | | | |
| | 16" | 29'-10" | 23'-8" | 20'-8" | 26'-1" | 20'-8" | 18'-1" | 23'-8" | 18'-10" | 16'-5" |
| | 24" | 26'-1" | 20'-8" | 18'-1" | 22'-9" | 18'-1" | 15'-10" | 20'-8" | 16'-5" | 14'-4" |
| 600RS162-18 (50 ksi) | DESIGN THICKNESS (0.0195) | | | | | | | | | |
| | 16" | 26'-11" | 21'-5" | 18'-8" | 23'-6" | 18'-8" | 16'-4" | 21'-5" | 17'-0" | 14'-10" |
| | 24" | 23'-6" | 18'-8" | 16'-4" | 20'-7" | 16'-4" | 14'-3" | 18'-8" | 14'-10" | 13'-0" |
| 600RS162-19 (50 ksi) | DESIGN THICKNESS (0.2421) | | | | | | | | | |
| | 16" | 27'-1" | 21'-6" | 18'-9" | 23'-8" | 18'-9" | 17'-1" | 21'-6" | 16'-5" | #VALUE |
| | 24" | 23'-8" | 18'-9" | 16'-5" | 20'-8" | 16'-5" | 14'-4" | 18'-9" | 14'-11" | #VALUE |
| 600RS162-30 (50 ksi) | DESIGN THICKNESS (0.019) | | | | | | | | | |
| | 16" | 32'-10" | 26'-1" | 22'-10" | 28'-9" | 22'-10" | 19'-11" | 26'-1" | 20'-9" | 14'-11" |
| | 24" | 28'-9" | 22'-10" | 19'-11" | 25'-1" | 19'-11" | 17'-5" | 22'-10" | 18'-1" | 11'-8" |
| 600RS162-34 (50 ksi) | DESIGN THICKNESS (0.0346) | | | | | | | | | |
| | 16" | 36'-4" | 28'-10" | 25'-2" | 31'-9" | 25'-2" | 22'-0" | 28'-10" | 22'-11" | 20'-0" |
| | 24" | 31'-9" | 25'-2" | 22'-0" | 27'-9" | 22'-0" | 19'-3" | 25'-2" | 20'-0" | 17'-6" |

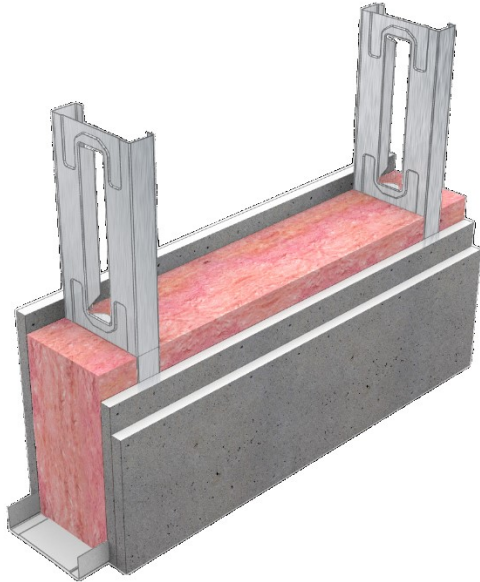


STEEL FRAMING STUDS

COMPOSITE LIMITING WALL HEIGHTS

| STUD DESIGNATION | SPACING o/c (in.) | 5 PSF | | | 7.5 PSF | | | 10 PSF | | |
|-------------------------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 |
| 600RS162-43 (50 ksi) | DESIGN THICKNESS (0.0451) | | | | | | | | | |
| | 16" | 35'-10" | 28'-5" | 24'-10" | 31'-3" | 24'-10" | 21'-8" | 28'-5" | 22'-7" | 19'-9" |
| | 24" | 31'-3" | 24'-10" | 21'-8" | 27'-4" | 21'-8" | 18'-11" | 24'-10" | 19'-8" | 17'-3" |
| 600RS162-54 (55 ksi) | DESIGN THICKNESS (0.0566) | | | | | | | | | |
| | 16" | 38'-5" | 30'-6" | 26'-8" | 33'-7" | 26'-8" | 23'-3" | 30'-6" | 24'-2" | 21'-2" |
| | 24" | 33'-7" | 26'-8" | 23'-3" | 29'-4" | 23'-3" | 20'-4" | 26'-8" | 21'-2" | 18'-6" |
| 600RS175-57 (55 ksi) | DESIGN THICKNESS (0.0601) | | | | | | | | | |
| | 16" | 39'-2" | 31'-1" | 27'-2" | 34'-3" | 27'-2" | 23'-9" | 31'-1" | 24'-8" | 21'-7" |
| | 24" | 34'-3" | 27'-2" | 23'-9" | 29'-11" | 23'-9" | 20'-9" | 27'-2" | 21'-7" | 18'-10" |
| 600RS200-54 (55 ksi) | DESIGN THICKNESS (0.0566) | | | | | | | | | |
| | 16" | 40'-0" | 31'-9" | 27'-9" | 34'-11" | 27'-9" | 24'-3" | 31'-9" | 25'-3" | 22'-0" |
| | 24" | 34'-11" | 27'-9" | 24'-3" | 30'-6" | 24'-5" | 21'-2" | 27'-9" | 21'-2" | 19'-3" |
| 600RS162-60 (55 ksi) | DESIGN THICKNESS (0.0632) | | | | | | | | | |
| | 16" | 39'-9" | 31'-7" | 27'-7" | 34'-9" | 27'-7" | 24'-1" | 31'-7" | 25'-1" | 21'-11" |
| | 24" | 34'-9" | 27'-7" | 24'-1" | 30'-4" | 24'-1" | 21'-1" | 27'-7" | 21'-11" | 19'-2" |
| 600RS200-60 (55 ksi) | DESIGN THICKNESS (0.0632) | | | | | | | | | |
| | 16" | 41'-5" | 32'-11" | 28'-9" | 36'-2" | 28'-9" | 25'-1" | 32'-11" | 26'-1" | 22'-10" |
| | 24" | 36'-2" | 28'-9" | 25'-1" | 31'-7" | 25'-1" | 21'-11" | 28'-9" | 22'-10" | 19'-11" |

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|------------|
| Drywall |
| Structural |



Notes:

- Sound Assemblies are certified by Intertek, Western Electro-Acoustic Laboratories.
- NVLAP Accredited for ASTM E90 & E413, ISO Certified.
- See *STC test reports at www.Rstud.biz for detailed requirements of construction of wall assembly.

* Values are the same for R-12 insulation.
Contact R-stud Technical Services at 503-462-3990 for questions about R-stud sound assemblies.