



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"
		5 PSF			7.5 PSF			10 PSF		



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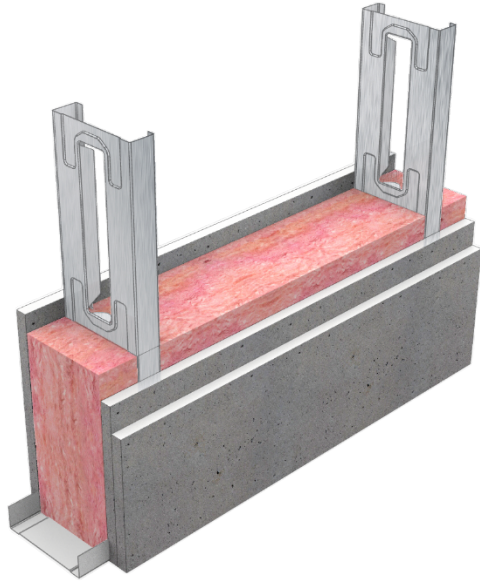
	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360	
400RS125-30 (50 ksi)	DESIGN THICKNESS (0.0312)									
	16"	25'-6"	20'-3"	17'-0"	22'-3"	17'-8"	15'-0"	20'-0"	16'-0"	14'-0"
	24"	22'-3"	17'-8"	15'-0"	19'-5"	15'-5"	13'-0"	17'-0"	14'-0"	12'-0"
400RS162-30 (50 ksi)	DESIGN THICKNESS (0.0312)									
	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"
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"
			5 PSF			7.5 PSF			10 PSF	



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	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360	
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"
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"

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.