

Allowable opening widths for jamb studs:

(Sill height = 32," deflection factor = 0.7)												
Wall height	Wall size	Member	Gauge (mils)	20psf			25psf			30psf		
				L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
9'-0"	3-5/8"	362JS300-54	16ga (54mils)	13'-7"	11'-11"	6'-6"	13'-3"	9'-2"	4'-11"	10'-9"	7'-5"	3'-10"
		362JS300-68	14ga (68mils)	16'-0"	15'-6"	8'-8"	16'-0"	12'-1"	6'-7"	14'-4"	9'-10"	5'-3"
		362JS300-97	12ga (97mils)	16'-0"	16'-0"	12'-5"	16'-0"	16'-0"	9'-7"	16'-0"	13'-11"	7'-9"
		362JS350-54	16ga (54mils)	13'-10"	13'-2"	7'-4"	13'-6"	10'-3"	5'-6"	11'-0"	8'-3"	4'-4"
		362JS350-68	14ga (68mils)	16'-0"	16'-0"	9'-9"	16'-0"	13'-6"	7'-6"	14'-11"	11'-0"	6'-0"
		362JS350-97	12ga (97mils)	16'-0"	16'-0"	14'-3"	16'-0"	16'-0"	11'-1"	16'-0"	16'-0"	9'-0"
	4"	400JS300-54	16ga (54mils)	15'-4"	15'-3"	8'-6"	15'-0" *	11'-11" *	6'-6" *	12'-3" *	9'-8" *	5'-2" *
		400JS300-68	14ga (68mils)	16'-0"	16'-0"	11'-3"	16'-0"	15'-6"	8'-8"	16'-0"	12'-8"	7'-0"
		400JS300-97	12ga (97mils)	16'-0"	16'-0"	15'-11"	16'-0"	16'-0"	12'-5"	16'-0"	16'-0"	10'-1"
		400JS350-54	16ga (54mils)	15'-7"	15'-7"	9'-6"	15'-4" *	13'-2" *	7'-3" *	12'-6" *	10'-9" *	5'-10" *
		400JS350-68	14ga (68mils)	16'-0"	16'-0"	12'-7"	16'-0"	16'-0"	9'-9"	16'-0"	14'-2"	7'-10"
		400JS350-97	12ga (97mils)	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	14'-3"	16'-0"	16'-0"	11'-7"
	6"	600JS300-54	16ga (54mils)	20'-0" *	20'-0" *	20'-0" *	20'-0" *	20'-0" *	18'-7" *	20'-0" *	20'-0" *	15'-3" *
		600JS300-68	14ga (68mils)	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	19'-11" *
		600JS300-97	12ga (97mils)	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"
		600JS350-54	16ga (54mils)	20'-0" *	20'-0" *	20'-0" *	20'-0" *	20'-0" *	20'-0" *	20'-0" *	20'-0" *	16'-8" *
		600JS350-68	14ga (68mils)	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"
		600JS350-97	12ga (97mils)	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"
10'-0"	3-5/8"	362JS300-54	16ga (54mils)	11'-9"	10'-3"	5'-7"	10'-7"	7'-11"	4'-3"	8'-7"	6'-5"	3'-4"
		362JS300-68	14ga (68mils)	15'-5"	13'-4"	7'-6"	13'-10"	10'-5"	5'-9"	11'-3"	8'-5"	4'-6"
		362JS300-97	12ga (97mils)	16'-0"	16'-0"	10'-9"	16'-0"	14'-9"	8'-4"	16'-0"	12'-1"	6'-8"
		362JS350-54	16ga (54mils)	12'-0"	11'-5"	6'-4"	11'-8"	8'-10"	4'-9"	9'-6"	7'-2"	3'-9"
		362JS350-68	14ga (68mils)	15'-11"	14'-11"	8'-5"	15'-7"	11'-8"	6'-6"	12'-8"	9'-6"	5'-2"
		362JS350-97	12ga (97mils)	16'-0"	16'-0"	12'-4"	16'-0"	16'-0"	9'-7"	16'-0"	13'-10"	7'-9"
	4"	400JS300-54	16ga (54mils)	13'-2"	13'-2"	7'-4"	13'-0" *	10'-3" *	5'-7" *	10'-7" *	8'-4" *	4'-6" *
		400JS300-68	14ga (68mils)	16'-0"	16'-0"	9'-8"	16'-0"	13'-4"	7'-6"	14'-1"	10'-11"	6'-0"
		400JS300-97	12ga (97mils)	16'-0"	16'-0"	13'-9"	16'-0"	16'-0"	10'-9"	16'-0"	15'-5"	8'-9"
		400JS350-54	16ga (54mils)	13'-6"	13'-6"	8'-2"	13'-3" *	11'-5" *	6'-3" *	10'-10" *	9'-3" *	5'-0" *
		400JS350-68	14ga (68mils)	16'-0"	16'-0"	10'-10"	16'-0"	14'-11"	8'-5"	14'-8"	12'-3"	6'-9"
		400JS350-97	12ga (97mils)	16'-0"	16'-0"	15'-8"	16'-0"	16'-0"	12'-3"	16'-0"	16'-0"	10'-0"
	6"	600JS300-54	16ga (54mils)	20'-0" *	20'-0" *	20'-0" *	20'-0" *	20'-0" *	16'-1" *	20'-0" *	20'-0" *	13'-2" *
		600JS300-68	14ga (68mils)	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	17'-2" *
		600JS300-97	12ga (97mils)	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"
		600JS350-54	16ga (54mils)	20'-0" *	20'-0" *	20'-0" *	20'-0" *	20'-0" *	17'-6" *	20'-0" *	20'-0" *	14'-5" *
		600JS350-68	14ga (68mils)	20'-0"	20'-0"	20'-0"	20'-0" *	20'-0" *	20'-0" *	20'-0" *	20'-0" *	18'-7" *
		600JS350-97	12ga (97mils)	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"
12'-0"	3-5/8"	362JS300-54	16ga (54mils)	8'-10"	4'-8"	—	6'-11"	3'-5"	—	5'-7"	2'-7"	—
		362JS300-68	14ga (68mils)	11'-5"	6'-5"	3'-2"	8'-11"	4'-9"	—	7'-4"	3'-8"	—
		362JS300-97	12ga (97mils)	15'-11"	9'-5"	4'-11"	12'-7"	7'-2"	3'-7"	10'-4"	5'-8"	2'-9"
		362JS350-54	16ga (54mils)	9'-1"	5'-4"	2'-6"	7'-8"	3'-11"	—	6'-3"	3'-0"	—
		362JS350-68	14ga (68mils)	12'-2"	7'-4"	3'-8"	10'-0"	5'-6"	2'-7"	8'-2"	4'-3"	—
		362JS350-97	12ga (97mils)	16'-0"	10'-11"	5'-10"	14'-4"	8'-4"	4'-4"	11'-9"	6'-8"	3'-4"
	4"	400JS300-54	16ga (54mils)	10'-1"	6'-4"	3'-1"	8'-10"	4'-8"	—	7'-3"	3'-8"	—
		400JS300-68	14ga (68mils)	13'-4"	8'-6"	4'-5"	11'-5"	6'-5"	3'-2"	9'-4"	5'-1"	—
		400JS300-97	12ga (97mils)	16'-0"	12'-3"	6'-8"	15'-11"	9'-5"	5'-0"	13'-2"	7'-7"	3'-10"
		400JS350-54	16ga (54mils)	10'-3"	7'-1"	3'-7"	9'-7" *	5'-4" *	2'-6" *	7'-8"	4'-2" *	— *
		400JS350-68	14ga (68mils)	13'-10"	9'-7"	5'-0"	12'-9"	7'-4"	3'-8"	10'-5"	5'-9"	2'-9"
		400JS350-97	12ga (97mils)	16'-0"	14'-1"	7'-9"	16'-0"	10'-11"	5'-10"	14'-11"	8'-9"	4'-7"
	6"	600JS300-54	16ga (54mils)	17'-10" *	17'-10" *	10'-4" *	17'-7" *	14'-5" *	7'-11" *	15'-1" *	11'-8" *	6'-4" *
		600JS300-68	14ga (68mils)	20'-0" *	20'-0" *	13'-9" *	20'-0" *	18'-11" *	10'-7" *	19'-7" *	15'-5" *	8'-7" *
		600JS300-97	12ga (97mils)	20'-0"	20'-0"	19'-7"	20'-0"	20'-0"	15'-4"	20'-0"	20'-0"	12'-6"
		600JS350-54	16ga (54mils)	18'-2" *	18'-2" *	11'-4" *	17'-11" *	15'-9" *	8'-9" *	15'-6" *	12'-10" *	7'-0" *
		600JS350-68	14ga (68mils)	20'-0" *	20'-0" *	14'-11" *	20'-0" *	20'-0" *	11'-7" *	20'-0" *	16'-9" *	9'-4" *
		600JS350-97	12ga (97mils)	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	17'-4"	20'-0"	20'-0"	14'-2"

Table notes:

- This table was prepared with an analysis of the opening being vertically centered in relation to the overall wall height indicated.
- Opening widths are limited to 16'-0" for 3-5/8" & 4" members and 20'-0" for 6" members. For wider openings please submit RedHeader RO sizing sheet to CW technical services.
- Physical properties and this table have been calculated in conformance with the AISI 2001 NASPEC w/2004 supplement.
- Effective properties incorporate the strength increase from the Cold Work of Forming as applicable per NASPEC A7.2.
- A 0.7 times the Components and Cladding wind load was used to compute the deflection check of this table per the allowances of AISI standard section B1.
- The tabulated values for flexural stress were based upon a fully braced side jamb.
- Web crippling must be checked separately for end bearing lengths other than 1'
- This table is not applicable for load bearing walls but is applicable for a curtainwall application.
- The strength analysis included separate bending and shear checks plus the combined interaction of bending and shear effects per section C3.3 of 2001 NASPEC.
- Tables were prepared using a 16"o.c. spacing from the jamb stud to the first adjacent typical wall stud.