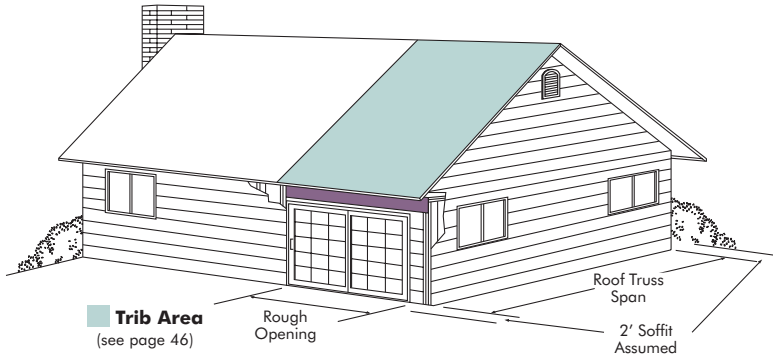


1-STORY WINDOW & PATIO DOOR HEADERS



This table indicates the appropriate size header for various roof truss spans with 2' soffit. If the soffit is greater than 2', additional engineering is necessary.

1-STORY – 1.8E RIGIDLAM LVL

Roof Loading	Snow (115%)										Non-Snow (125%)										
	25 psf LL + 20 psf DL					40 psf LL + 20 psf DL					20 psf LL + 15 psf DL					20 psf LL + 25 psf DL					
	6'	8'	9'	10'	12'	6'	8'	9'	10'	12'	6'	8'	9'	10'	12'	6'	8'	9'	10'	12'	
Rough Opening	20'	2 - 9½"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"
		3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"
	24'	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"
		3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 14"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"
	28'	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 11⅞"	2 - 16"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 14"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"
		3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 14"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"
	32'	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 11⅞"	2 - 16"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"
		3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 14"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"
	36'	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 11⅞"	2 - 16"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"	2 - 16"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 11⅞"	2 - 16"
		3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 14"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 14"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 14"

1-STORY – 2.0E RIGIDLAM LVL

Roof Loading	Snow (115%)										Non-Snow (125%)										
	25 psf LL + 20 psf DL					40 psf LL + 20 psf DL					20 psf LL + 15 psf DL					20 psf LL + 25 psf DL					
	6'	8'	9'	10'	12'	6'	8'	9'	10'	12'	6'	8'	9'	10'	12'	6'	8'	9'	10'	12'	
Rough Opening	20'	2 - 9½"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"
		3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"
	24'	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"
		3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"
	28'	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 11⅞"	2 - 14"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"
		3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 14"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"
	32'	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 11⅞"	2 - 16"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"
		3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 14"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"
	36'	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 11⅞"	2 - 16"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"	2 - 9½"	2 - 9½"	2 - 9½"	2 - 11⅞"	2 - 14"
		3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 14"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 9½"	3 - 11⅞"

+ see note 2

Notes:

- Header sizes are listed as the number of 1¾" thick pieces by the header depth. e.g. 2 - 9½" indicates two 1¾" pieces by 9½" deep.
- The minimum required bearing length (based on 700 psi) is 3" unless the + symbol is shown. In that case, 4½" is required.
- All headers require support across their full width. Use 2x4 cripples for two piece headers and 2x6 cripples for three piece headers.
- The roof framing is assumed to be trusses supported by the exterior walls only.
- Deflection is limited to L/240 at live load and the lesser of L/180 or 5/16" at total load.