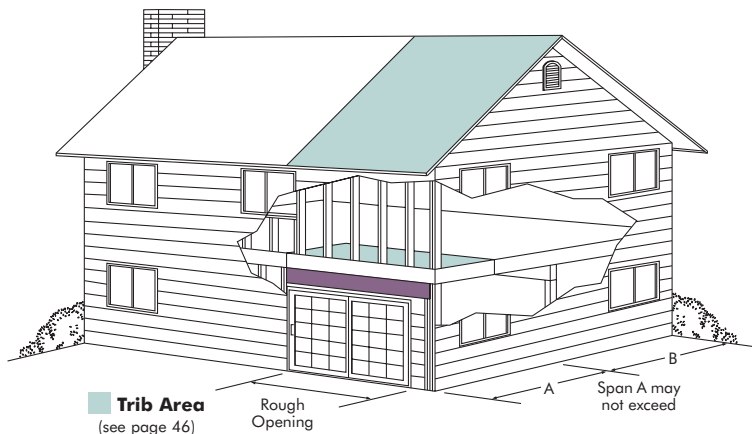


2-STORY WINDOW & PATIO DOOR HEADERS

This table considers the combined loads from a wall, second story floor (1/4 of total floor joist span) and various roof truss spans with a 2' soffit. Intermediate floor beam assumed. If the soffit exceeds 2', additional engineering will be necessary.



2-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				
Rough Opening		6'	8'	9'	10'	12'	6'	8'	9'	10'	12'	6'	8'	9'	10'	12'	6'	8'	9'	10'	12'
Roof Truss Span with 2' Soffit Assumed	20'	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-16"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-16"	2-9 1/2"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-14"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-16"
		3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"
	24'	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-16"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-14"	2-16"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-16"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-16"
		3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"
	28'	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-14"	2-16"	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-14"	2-18"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-16"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-14"	2-16"
		3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-11 7/8"	3-16"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"
	32'	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-14"	2-16"	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-14"	2-18"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-14"	2-16"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-14"	2-16"
		3-9 1/2"	3-9 1/2"	3-11 7/8"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-11 7/8"	3-16"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-11 7/8"	3-14"
	36'	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-14"	2-18"	2-9 1/2"	2-11 7/8"	2-14"	2-14"	2-18"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-14"	2-16"	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-14"	2-18"
		3-9 1/2"	3-9 1/2"	3-11 7/8"	3-11 7/8"	3-16"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"	3-16"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-11 7/8"	3-16"

2-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				
Rough Opening		6'	8'	9'	10'	12'	6'	8'	9'	10'	12'	6'	8'	9'	10'	12'	6'	8'	9'	10'	12'
Roof Truss Span with 2' Soffit Assumed	20'	2-9 1/2"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-14"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-16"	2-9 1/2"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-14"	2-9 1/2"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-14"
		3-9 1/2"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"
	24'	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-16"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-14"	2-16"	2-9 1/2"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-14"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-16"
		3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"
	28'	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-16"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-14"	2-16"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-16"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-16"
		3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"
	32'	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-14"	2-16"	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-14"	2-18"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-16"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-14"	2-16"
		3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-11 7/8"	3-16"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"
	36'	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-14"	2-16"	2-9 1/2"	2-11 7/8"	2-11 7/8"	2-14"	2-18"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-14"	2-16"	2-9 1/2"	2-9 1/2"	2-11 7/8"	2-14"	2-16"
		3-9 1/2"	3-9 1/2"	3-11 7/8"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-11 7/8"	3-16"	3-9 1/2"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-14"	3-9 1/2"	3-9 1/2"	3-11 7/8"	3-11 7/8"	3-14"

+ see note 3

Notes:

- Header sizes are listed as the number of 1 3/4" thick pieces by the header depth. e.g. 2 - 9 1/2" indicates two 1 3/4" pieces by 9 1/2" deep.
- Header sizes are based on the assumption that the floor joists are supported in the middle of the building by a beam or wall.
- The minimum required bearing length (based on 700 psi) is 3" unless the + symbol is shown. In that case, 4 1/2" is required.
- All headers require support across their full width. Use 2x4 cripples for two piece headers and 2x6 cripples for three piece headers.
- Header sizes are based on residential floor loading of 40 psf live load and 10 psf dead load. The roof framing must be trusses supported by the exterior walls only.
- Deflection is limited to L/360 at live load and the lesser of L/240 or 5/16" at total load.