

ROOF RAFTER SPAN TABLE			
Member Size	Rafter Spacing		
	12"	16"	24"
2" x 4"	8'-1"	7'-4"	6'-5"
2" x 6"	12'-9"	11'-7"	10'-1"
2" x 8"	16'-9"	15'-2"	12'-9"
2" x 10"	21'-4"	19'-1"	15'-7"
2" x 12"	25'-7"	22'-2"	18'-2"

Spruce, Pine, Fir No.1 & 2 Grade Lumber - Snow Load 2.0 kPa

ROOF JOIST SPAN TABLE			
Member Size	Joist Spacing		
	12"	16"	24"
2" x 4"	6'-5"	5'-10"	5'-1"
2" x 6"	10'-1"	9'-2"	8'-0"
2" x 8"	13'-3"	12'-0"	10'-6"
2" x 10"	17'-0"	15'-5"	13'-6"
2" x 12"	20'-8"	18'-9"	16'-4"

Spruce, Pine, Fir No.1 & 2 Grade Lumber - Snow Load 2.0 kPa

CEILING JOIST SPAN TABLE			
Member Size	Rafter Spacing		
	12"	16"	24"
2" x 4"	10'-2"	9'-3"	8'-1"
2" x 6"	16'-1"	14'-7"	12'-9"
2" x 8"	21'-1"	19'-2"	16'-9"
2" x 10"	27'-0"	24'-6"	21'-5"
2" x 12"	32'-9"	29'-9"	26'-0"

Spruce, Pine, Fir No.1 & 2 Grade Lumber

LINTELS OVER DOORS AND WINDOWS		
Member Size	Lintels Size for Wood Framing	
	Not Supporting Roof	Supporting Roof
2- 2" x 4"	Up to 6'-7"	Up to 3'-3"
2- 2" x 6"	Up to 10'-5"	Up to 4'-10"
2- 2" x 8"	Up to 13'-8"	Up to 5'-11"
2- 2" x 10"	Up to 17'-5"	Up to 7'-2"
2- 2" x 12"	Up to 20'-4"	Up to 8'-5"

Based on a maximum of 32'-0" roof width

BRICK VENEER LINTELS	
Opening Width	Steel Angle
Up to 8'-1"	3½" x 3½" x 1/4"
Up to 8'-9"	4" x 3½" x 1/4"
Up to 10'-10"	5" x 3½" x 5/16"
Up to 11'-5"	5" x 3½" x 3/8"
Up to 13'-6"	6" x 4" x 7/16"
Up to 14'-1"	7" x 4" x 3/8"
Up to 15'-1"	7" x 4" x 1/2"

WALL SHEATHING THICKNESS & SPECIFICATIONS FOR TYPICAL CLADDING SYSTEM			
Type of Sheathing	Supports @ 16"	Supports @ 24"	Material Standards
Plywood (Exterior Type)	1/4"	5/16"	CSA 0121-M, CSA 0181-M, CSA 0153-M
OSB Grade 0-2	1/4"	5/16"	CSA 0437
Waferboard & OSB Grade R-1 & 0-1	1/4"	5/16"	CSA 0437

ROOF SHEATHING THICKNESS				
Maximum Spacing of Supports	Plywood & O-2 Grade Waferboard and OSB		Waferboard (Aspenite) & OSB R-1 & O-1 Grade	
	Edges Supported	Edges Unsupported	Edges Supported	Edges Unsupported
		12"		5/16"
16"	5/16"	3/8"	3/8"	7/16"
24"	3/8"	1/2"	7/16"	1/2"

All plywood to be stamped "Approved Exterior Grade"