Baldcypress Allowable Rafter Spans
Visual Graded #2 or Better

		Sloped Length: Flat to Less than 6:12 Slope		Sloped Length: 6:12 and Greater Slope	
Size Inches	**Spacing** Inches on Center	**Dead Load: 10 psf Live Load: 20 psf Total Deflection: L/180 Live Deflection: L/240**	**Dead Load: 20 psf Live Load: 20 psf Total Deflection: L/180 Live Deflection: L/240**	**Dead Load: 10 psf Live Load: 20 psf Total Deflection: L/180 Live Deflection: L/240**	**Dead Load: 20 psf Live Load: 20 psf Total Deflection: L/180 Live Deflection: L/240**
2x6	12	13’-2”	11’-8”	14’-0”	12’-3”
	16	11’-11”	10’-7”	12’-8”	11’-2”
	24	10’-5”	9’-3”	11’-1”	9’-9”
2x8	12	17’-4”	15’-5”	18’-4”	16’-2”
	16	15’-9”	14’-0”	16’-8”	14’-9”
	24	13’-9”	12’-0”	14’-7”	12’-10”
2x10	12	22’-1”	19’-8”	23’-5”	20’-8”
	16	20’-1”	17’-10”	21’-4”	18’-9”
	24	16’-10”	14’-7”	18’-6”	15’-10”
2x12	12	26’-11”	23’-11”	28’-6”	25’-2”
	16	24’-0”	20’-9”	25’-11”	22’-6”
	24	19’-7”	17’-0”	21’-5”	18’-5”

The above information was derived from design values developed by the Southern Pine Inspection Bureau (SPIB) for Baldcypress as shown within the National Design Specification Supplement (April 2003 Addendum) published by the American Forest & Paper Association. Design values were modified in accordance with the procedures shown within the 2001 National Design Specification where the following typical conditions were assumed.

- Members are exposed to dry conditions where moisture content does not exceed 19% (C_M=1.0).
- Members are not exposed to sustained temperatures in excess of 100 degrees Fahrenheit (C_t=1.0).
- Members are laterally supported in a manner to prevent rotation and lateral displacement (C_L=1.0)
- Floor and Ceiling Joists are exposed to sustained live loads durations (C_D=1.0).
- Rafters live loads act over a period of approximately two months (C_D=1.15).
- Members are not incised (C_i=1.0).
- Size factors are in accordance with the National Design Specification Supplement.
- Members are part of a system where 3 or more joists or rafters are present and tied together via flooring , roofing or similar load distributing elements. For spacings of 24 inches on center or less, a repetitive factor of 1.15 was applied.

The above information was provided by Timber Products Engineering, Inc. (TPE) to Norcross Supply Company in Norcross, Georgia. Its purpose is to serve as a convenient reference for joist and rafter spans to be used in conjunction with Balcypress lumber. The information is for reference only and shall not be deemed as an engineered design without written consent from TPE. Lumber associated with the above values shall bear the grade mark of a lumber grading or inspection agency conforming to American Lumber Standards Committee guidelines. Should assistance be required with engineering or grading of said lumber, contact TPE’s office at (770) 922-8000.