



COUNTY OF WINNEBAGO

REGIONAL PLANNING & ECONOMIC DEVELOPMENT DEPARTMENT

County Administration Building
404 Elm Street, Room 403
Rockford, Illinois 61101

BUILDING
PLANNING & ZONING
MAPPING

Phone: (815) 319-4350
Fax: (815) 319-4351
www.co.winnebago.il.us

JOIST SPANS 40 PSF LIVE LOAD

PRESSURE TREATED LUMBER

<u>Grade</u>					
<u>Size</u>	<u>Spacing</u>	<u>Select Structural</u>	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>
2 X 6	12" o.c.	10' 9"	10' 7"	10' 4"	9' 4"
	16" o.c.	9' 9"	9' 7"	9' 5"	8' 1"
	24" o.c.	8' 7"	8' 5"	7' 10"	6' 7"
2 X 8	12" o.c.	14' 2"	13' 11"	13' 8"	11' 11"
	16" o.c.	12' 11"	12' 8"	12' 5"	10' 3"
	24" o.c.	11' 3"	11' 1"	10' 2"	8' 5"
2 X 10	12" o.c.	18' 1"	17' 9"	17' 5"	14' 0"
	16" o.c.	16' 5"	16' 2"	15' 10"	12' 2"
	24" o.c.	14' 4"	13' 8"	13' 1"	9' 11"
2 x 12	12" o.c.	22' 0"	21' 7"	21' 2"	16' 8"
	16" o.c.	20' 0"	19' 8"	18' 10"	14' 5"
	24" o.c.	17' 6"	16' 1"	15' 5"	11' 10"

Notes:

Beam sizes vary depending on span of beam desired and length of joists above.

Area of footing also may vary depending on floor area of loading zone above.

Assume soil bearing values of 2,500 pounds per square foot for design purposes.

Source: Pressure-Treated Southern Pine
Southern Pine Council-1996

Rev: Sept. 01, 2006 (JM)