

STRUCTURAL DESIGN INFORMATION BLOCK						
<b>SIMPLE SPAN</b>						
MODULUS OF ELASTICITY		3010000				
BENDING - Allowable		3750				
SHEAR - Allowable		425				
<b>SPECIES</b>			<b>IPE</b>			
WEIGHT PER CUBIC FOOT (lbs.)		75				
<b>DECKING THICKNESS (inches)</b>		<b>1,5</b>				
<b>DECKING SPAN (inches)</b>		<b>18</b>				
DEAD LOAD		0,0651				
LIVE LOAD/PSF	<b>4000</b>	27,7778				
TOTAL LOAD	<b>W</b>	27,8429				
SHEAR	<b>V</b>	250,5859				
MAXIMUM MOMENT	<b>M</b>	1127,6367				
AREA	<b>A</b>	1,5000				
SECTION	<b>S</b>	0,3750				
INERTIA	<b>I</b>	0,2813				
	<b>Fb</b>	3007,0313				
	<b>Fv</b>	250,5859				
	<b>Deflection in Inches</b>	0,045				
		<b>Fb OKAY</b>				
		<b>Fv OKAY</b>				
L/360	<b>L/360</b>	0,050				
	<b>Deflection</b>	<b>OK</b>				

This deck span calculator is designed to assist in the specification process. It is not a warranty of fitness or assurance. It is the responsibility of the end user to consult local building codes and verify compliance with a licensed engineer.

