Woodworks Read-me & How To User Guide			
vs 1.0			
Woodworks is an application designed for wood workers to find information about the species of wood they are working with and to perform some of the calculations that they may find necessary in working with wood.			
The following calculations are performed by this application:			
1. Density at Specific Moisture Content			
2. Beam Deflection			
3. Moisture Driven Dimensional Change			
System Requirements			
1. Windows Vista, 7, 8, or 8.1 (x86 and x64)			
2. Microsoft .NET Framework 4.5 (x86 and x64)			
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Reference	
Information on wood descriptions and all informa calculations performed by this program was obtain	

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U.S. Department of Agriculture, Forest Services, Forest Products Laboratory,

Gen. Tech. Rep. FPL-GTR-113. Wood Handbook – Wood as an Engineering Material. Madison, W 1999. PDF file.				
How To User Guide Contents:				
1. How to Install Woodworks				
2. How to Display Information/Description of a Wood Species				
3. How to Calculate Density at Specific Moisture Content				
4. How to Calculate Beam Deflection				
5. How to Calculate Moisture Driven Dimensional Changes				
1. How to Install Woodworks				
Steps:				
1) Open the folder where the application is located.				
2) Click on the Setup application file.				
3) Click Install on the prompt window.				
4) Application will Launch when installation is complete.				
How to Display Information/Description of a Wood Species				
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Steps:

	1) Select the Category of Wood.
	2) Select the Species of Wood.
	The Description will then be displayed.
3. How	v to Calculate Density at Specific Moisture Content
Steps:	
	1) Select the Category of Wood.
	2) Select the Species of Wood.
	3) Select Density at Specific Moisture Content from the Calculation
	drop down menu.
	4) Click on Calculate.
	5) Select the % of Moisture Content.
	6) Choose 12% or Green from the Moisture Content drop down menu.
	7) Click on Calculate.
	The Density will then be displayed.
4. How	v to Calculate Beam Deflection
Steps:	
	1) Select the Category of Wood.

	2)	Select the Species of Wood.
	3)	Select Beam Deflection from the Calculation drop down menu.
	4)	Click on Calculate.
	5)	Choose 12% or Green from the Moisture Content drop down menu.
	6)	Choose Flat or Edge from the Grain Type drop down menu.
	7)	Enter the appropriate dimensions of the beam.
	8)	Click on Calculate.
	Th	e Beam Deflection will then be displayed.
5. How	to	Calculate Moisture Driven Dimensional Change
Steps:		
	1)	Select the Category of Wood.
	2)	Select the Species of Wood.
	3)	Select Moisture Driven Dimensional Change from the Calculation
		drop down menu.
	4)	Click on Calculate.
	5)	Enter the width of the beam.
	6)	Choose Grain Direction - Radial or Tangential.

The Moisture Driven Dimensional Change will then be displayed.

7) Click on Calculate.