

Title: TIMBER DRYING TECHNIQUES AND ITS DEFECTS

By

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TABLE OF CONTENTS

ACKNOWLEDGEMENT..... iii

DEDICATION..... iv

LIST OF TABLES..... vii

LIST OF FIGURES..... viii

LIST OF PLATES..... ix

ABSTRACT..... x

ABSTRAK..... xi

CHAPTER		Page
1	INTRODUCTION.....	1-4
2	TIMBER DRYING TECHNIQUES.....	5
	2.1 Factors Affecting Drying.....	5
	2.1.1 Vapor Pressure and Relative Humidity.....	5
	2.1.2 Moisture Movement Within The Wood.....	6
	2.1.3 The Influence Of Temperature On Drying Rate.....	7
	2.1.4 Air Circulation.....	8
	2.2 Basic Drying Concepts.....	9-11
	2.3 Current Implementation of New Drying Technologies....	12
	2.4 Drying Methods.....	13-14
	2.4.1 Air Drying.....	15-18

	2.4.2 Kiln Dry.....	19-22
	2.4.3 Special Drying Methods.....	22-62
3	SEASONING DEFECTS.....	63
	3.1 Defects Categories.....	63-71
4	CONCLUSION.....	72
	REFERENCES.....	73
	BIBLIOGRAPHY.....	74
	VITA.....	75

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ABSTRACT

Lumber drying is one of the most times- and energy- consuming steps in processing wood products. Basically timber drying is the process to remove the bound moisture contained in walls of the wood cells to produce seasoned timber. Drying process can be achieved in a number of ways, but the aim is to remove water at a uniform rate through the piece to prevent damage to the wood during drying (seasoning degrade).

Dried timber tends to have superior dimensional stability than unseasoned timber and is much less prone to warping and splitting in service. In higher grades of timber, the process of seasoning can enhance the basic characteristic properties of timber, increasing stiffness, bending strength and compression strength. While, wet wood is unstable, will not maintain its original size no matter how accurately machined, will not sand well, will not glue well and cannot be finished properly.