#### PIER PORTAL

#### A Thesis

### presented to

the Faculty of California Polytechnic State University,

San Luis Obispo

In Partial Fulfillment

of the Requirements for the Degree

Master of Science in Mechanical Engineering

by

Alec W. Hardy

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# ABSTRACT

Pier Portal

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### TABLE OF CONTENTS

F	Page
IST OF TABLES	vii
IST OF FIGURES	viii
HAPTER	

# LIST OF TABLES

Table Page

# LIST OF FIGURES

Figure