

## Title Project Location Project Location

Prepared for: Vandelay Industries

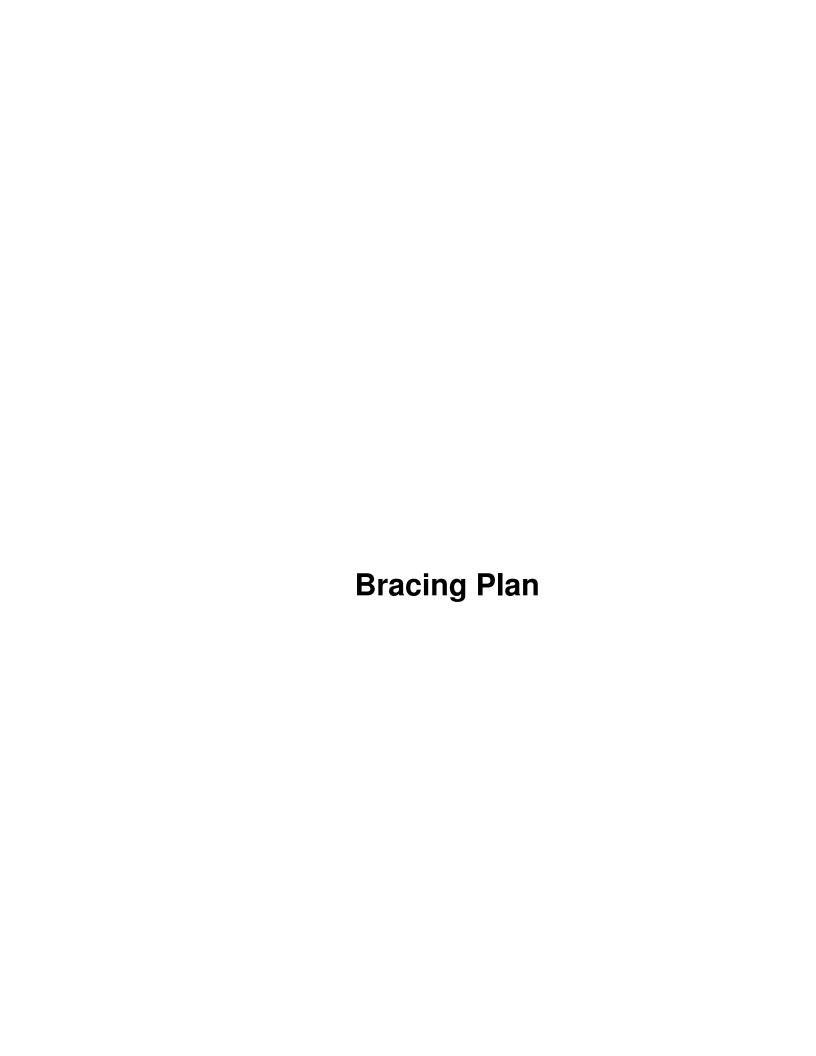


## **Erection Procedures Bracing Plan & Engineering Analysis**

**HSE Drawings EP1 to EP25** 

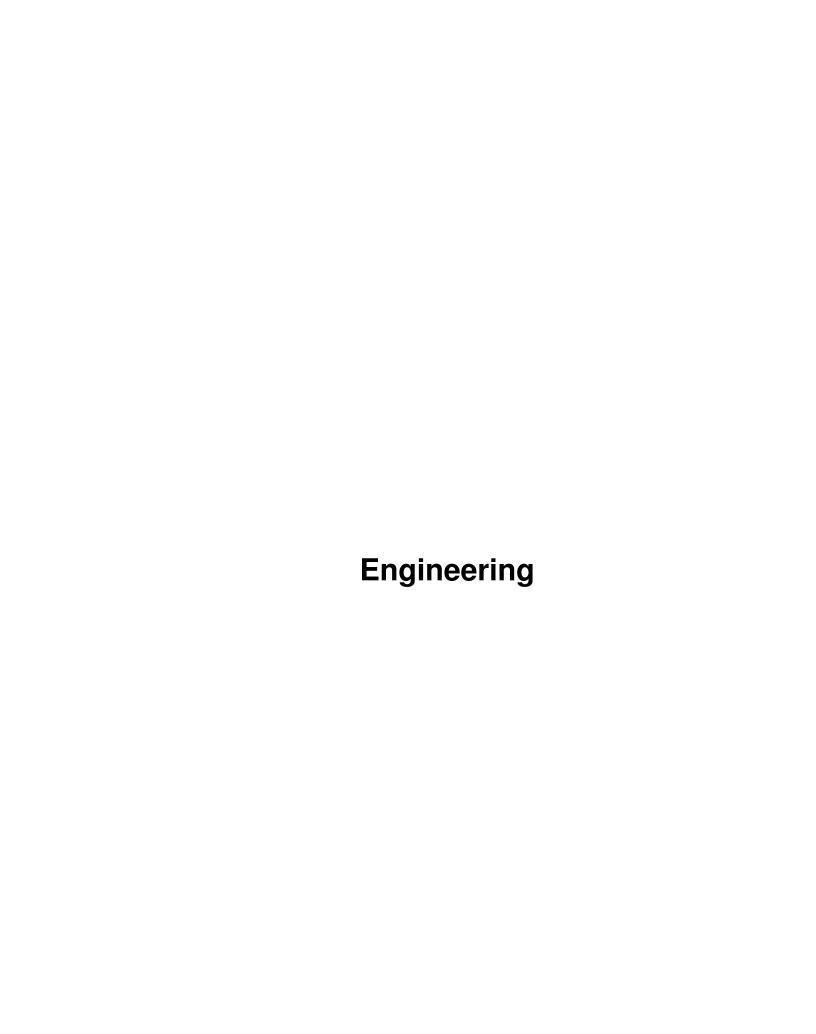
## **Contents**

1		.1 Location Map						
		General Notes and Procedure Narrative						
	1.2	General Notes and Procedure Narrative	_					
2	Eng	gineering						
	2.1	General Notes	1					
	2.2	Design Loads	2					
	2.3	Evaluation of Stability During Erection	3					
		2.3.1 Analysis of Allowable Column Reactions During Erection	4					
		2.3.2 Analysis of Crane Positions and Stability Narrative						
	2.4	Design of Pedestrian Bridge Tower Bracing	6					
		2.4.1 Design Loads	7					
		2.4.2 Bracing Design	8					
		2.4.3 Foundation Pad Design	9					
		2.4.4 Tower Precast Stability Analysis	1					
ΑĮ	ppen	dices						
		Appendix A - ASCE-7 Online Hazard Report						
		Appendix B - HSE Bracing Towers						
		Appendix C - Two-Way Wall Bracing						
		Appendix D - Cable Bracing						
		Appendix E - Expansion Anchors						
		Appendix F - Ferrule Loop Inserts	1					



**Location Map** 

**General Notes and Procedure Narrative** 



**General Notes** 

**Design Loads** 

**Evaluation of Stability During Erection** 

,	Analysis of <i>i</i>	Allowable Col	lumn Reactio	ons During E	rection

Analysis of Crane Positions and Stability Narrative

**Design of Pedestrian Bridge Tower Bracing** 

Design Loads

**Bracing Design** 

Foundation Pad Design

**Tower Precast Stability Analysis** 



**Appendix A - ASCE-7 Online Hazard Report** 

**Appendix B - HSE Bracing Towers** 

Appendix C - Two-Way Wall Bracing

**Appendix D - Cable Bracing** 

**Appendix E - Expansion Anchors** 

**Appendix F - Ferrule Loop Inserts**