

**ANALYSIS ON CONTRACT DOCUMENTATION ERRORS  
AND ISSUES TO MINIMIZE DISPUTES IN MEP SUB-  
CONTRACTING WORK**

Naotunna Gamacharige Kavindya Prabashi

(209192 L)

Master of Science Degree in Construction Law and Dispute Resolution

Department of Building Economics  
Faculty of Architecture

University of Moratuwa  
Sri Lanka

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## **DECLARATION**

I declare that this is my own work and this thesis/dissertation does not incorporate without acknowledgement any material previously submitted for a degree or diploma in any other University or Institute of higher learning and to the best of my knowledge and belief it does not contain any material previously published or written by another person except where the acknowledgement is made in the text. I retain the right to use this content in whole or part in future works (such as articles or books).

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Name of Supervisor:

Signature of the Supervisor:

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DEDICATION



*To My Beloved  
Family.....*

## **ACKNOWLEDGMENT**

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## ABSTRACT

Although it is a fundamental component of economic growth, the construction sector continues to struggle with several obstacles, including disagreements that frequently surface during the execution of projects. In the context of these issues, the management of documentation mistakes in Mechanical, Electrical, and Plumbing (MEP) subcontracting activities stands out as a crucial concern that requires attention. The purpose of this study is to solve this problem by building a framework to minimize documentation mistakes in both the pre-contract and post-contract stages. The ultimate goal of this research is to significantly reduce the number of disputes that occur in MEP subcontracting projects. In this study, the causes of documentation mistakes and their consequences for the occurrence of disputes in MEP subcontracting projects are identified by a comprehensive analysis of the available literature and interviews with subject matter experts.

Through the utilization of details that are commonly utilized in the construction sector, the research focuses on projects in Sri Lanka, and in order to give insights into successful ways for avoiding disagreements, the purpose of this study is to analyze the underlying causes of documentation mistakes and the influence such errors have on the results of the project. In the field of construction project management, the findings of this research are anticipated to provide industry practitioners, policymakers, and academics with recommendations that can be put into practice. The purpose of this study is to contribute to the general improvement of the construction industry and to encourage more efficient and effective project delivery. Through the findings that solves the documentation errors and issues of MEP subcontracting activities, this study aims to accomplish the all objectives.

**Keywords:** MEP, Contract documents, construction documentation, errors in construction document, Disputes, Construction projects

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## LIST OF ABBREVIATIONS

<b>Abbreviation</b>	<b>Description</b>
AI	Artificial Intelligence
BOQ	Bill of Quantities
CIDA	Construction Industry Development Authority
FIDIC	Fédération Internationale des Ingénieurs - Conseils
HVAC	Heating, Ventilation, and Air Conditioning
MEP	Mechanical, Electrical and Plumbing
NRM	New Rules of Measurement
QS	Quantity Surveyor
Rn	Respondent number
SLS	Sri Lankan Standards