



CERTIFICATE OF COMPLETION

IS HEREBY PRESENTED TO:

ENGR. ANDREW C. MERA FUENTES, RME

For having successfully attended and completed the
**4-HOUR TRAINING in "HOW TO READ AND INTERPRET CONSTRUCTION
DRAWINGS & SPECIFICATIONS"**
via Zoom.

Given this **29th day of March 2023.**


M.A. MASUSHIMA

Chief Executive Officer
Founder




ENGR. JONATHAN CORTEZ

Professional Licensed Civil Engineer
Construction Project Manager
Project Consultant
Structural Designer
Autodesk Professional


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Chief Operations Officer
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COURSE OUTLINE:

INTRODUCTION TO CONSTRUCTION DRAWINGS

- IMPORTANCE OF CONSTRUCTION DRAWINGS
- WHAT IS A CONSTRUCTION DRAWING?
- HOW ARE CONSTRUCTION DRAWINGS MADE?

TYPES OF CONSTRUCTION DRAWINGS

- BLOCK PLAN
- ARCHITECTURAL DRAWINGS
- PRODUCTION DRAWINGS
- STRUCTURAL DRAWINGS
- ELECTRICAL DRAWINGS
- PLUMBING DRAWINGS
- HVAC DRAWINGS
- FIREFIGHTING DRAWINGS
- ENVIRONMENTAL PLANS
- FINISHING/INTERIOR DRAWINGS

MEANING OF COMMON SYMBOLS IN PLANS

SCALES AND PAPER SIZES

ABBREVIATION AND SYMBOLS

ARCHITECTURAL DRAWINGS INTERPRETATION

- SITE DEVELOPMENT PLAN
 - PERSPECTIVE
 - VICINITY MAP
 - FLOOR PLANS
 - ELEVATIONS
 - SECTIONS
- REFLECTED CEILING PLANS
- DOORS AND WINDOWS SCHEDULE

STRUCTURAL/CIVIL DRAWINGS INTERPRETATION

- STRUCTURAL
- GENERAL NOTES
- FOUNDATION PLAN
- COLUMN DETAILS/LAYOUT
- BEAMS DETAILS/LAYOUT
- ROOF FRAMING DETAILS/LAYOUT

ELECTRICAL DRAWINGS INTERPRETATION

- EARTHING LAYOUT
- LIGHT FIXTURE LAYOUT
- GENERATOR AND OTHER EQUIPMENT
- CABLE TRAY LAYOUT
- HAZARDOUS AREA CLASSIFICATIONS
- LIGHTING PROTECTION SYSTEM

SANITARY/PLUMBING INTERPRETATIONS

- PIPES (WATER, DRAINAGE, & INTERNAL)
 - MATERIALS OF PIPES
 - OUTLET POINTS
- POSITION AND LOCATION OF PIPES & OUTLETS

CONSTRUCTION SPECIFICATIONS

CONSTRUCTION COMPLIANCE CODES

