

TCA

TRAINING & DEVELOPMENT

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GET TRAINED BY
EXPERIENCED TRAINER



AUTODESK®
REVIT® STRUCTURE

BIM & AutoDesk Revit

Sketching & Modify tools

Grids & Columns

Foundations

Structural Framing



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Introduction to BIM and Autodesk Revit

- BIM and Autodesk Revit
- Overview of the Interface
- Starting Projects
- Viewing Commands

Basic Sketching and Modify Tools

- Using General Sketching Tools
- Editing Elements
- Working with Basic Modify Tools
- Working with Additional Modify Tools

Starting Structural Projects

- Linking and Importing CAD Files
- Linking in Revit Models
- Setting Up Levels
- Copying and Monitoring Elements
- Coordinating Linked Models

Structural Grids and Columns

- Adding Structural Grids
- Placing Structural Columns

Foundations

- Modeling Walls
- Adding Wall Footings
- Creating Piers and Pilasters
- Adding Isolated Footings

Structural Framing

- Modeling Structural Framing



- Modifying Structural Framing
- Adding Trusses

Working with Views

- Setting the View Display
- Duplicating Views
- Adding Callout Views
- Elevations and Sections

Adding Structural Slabs

- Modeling Structural Slabs
- Creating Shaft Openings

Structural Reinforcement

- Structural Reinforcement
- Adding Rebar
- Modifying Rebar
- Reinforcing Walls, Floors, and Slabs

Structural Analysis

- Preparing Projects for Structural Analysis
- Viewing Analytical Models
- Adjusting Analytical Models
- Placing Loads

Project