

Training Certificate

is awarded to

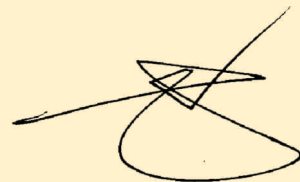
EDGARDO D. CASEÑAS

CONTROL NO: 2020-S4B-W18-012

*for having successfully attended and completed the 16 hours
online interactive with hands-on software application of*

STAAD.PRO CONNECT EDITION FUNDAMENTALS BEGINNER'S TRAINING

Conducted this 30th of November to 3rd of December 2020.



ENGR. JOHN PAUL P. DELA ROSA
Director/Training Manager

COURSE OUTLINE

- 1.0 PART 1 – BENTLEY STAAD.PRO SETTINGS**
 - 1.1 STARTUP
 - 1.2 GLOBAL - LOCAL ORIENTATION & COORDINATE SYSTEM
 - 1.3 GRAPHIC USER INTERFACE
 - 1.4 STRUCTURAL ENTITIES & CURSOR NAVIGATION
 - 1.5 SPACE BAR COMMAND TOOLS AND SHORTCUTS
 - 1.6 COMMAND FILE EDITOR AND ANALYSIS OUTPUT
- 2.0 PART 2 – MODEL GENERATION**
 - 2.1 CREATING 3D STAAD.PRO MODEL
 - 2.2 DEFINING STEEL AND CONCRETE SECTIONS
 - 2.3 PLATE ELEMENTS, MESHING AND PROPERTIES
 - 2.4 SUPPORTS
 - 2.5 SPECIFICATION AND MATERIALS
- 3.0 PART 3 – LOAD APPLICATION**
 - 3.1 APPLYING SELFWEIGHT, NODAL LOADS, MEMBER LOADS, FLOOR LOADS, PLATE LOADS & THERMAL LOADS
 - 3.2 LOAD COMBINATIONS
- 4.0 PART 4 – PERFORMING ANALYSIS AND RESULT GENERATION**
- 5.0 PART 5 – THE POSTPROCESSING**
 - 5.1 RESULT INTERPRETATION
 - 5.2 NODAL RESULTS
 - 5.3 MEMBER FORCES AND END FORCES RESULTS
 - 5.4 PLATE STRESS RESULTS
 - 5.5 PERFORMING ANIMATION
- 6.0 PART 6 – STEEL DESIGN NSCP 2015 (AISC 360-10)**
 - 6.1 PERFORMING STEEL DESIGN
- 7.0 PART 7 – REINFORCED CONCRETE DESIGN NSCP 2015 (ACI 318M-2014)**
 - 7.1 PERFORMING REINFORCED CONCRETE DESIGN
- 8.0 PART 8 – EXERCISES**
 - 8.1 CONTINUOUS BEAM ANALYSIS
 - 8.2 TRUSS ANALYSIS
 - 8.3 PLANE FRAME ANALYSIS
 - 8.4 3D FRAME ANALYSIS
 - 8.5 SEISMIC ANALYSIS OF BUILDINGS AND GENERAL STRUCTURES