FRAMECAD SOFTWARE ACADEMY INTERMEDIATE LEVEL

FRAMECAD IS PLEASED TO OFFER YOU THIS THREE-DAY COURSE TO ADVANCE YOUR SKILLS IN FRAMECAD STRUCTURE AND DETAILER PLUS

Venue: Hilton Garden Inn

500 N. Interstate 35, Austin TX 78701

Date: March 31st through April 2nd

OBJECTIVE OF THE COURSE:

This 3-day intermediate software training course will increase your knowledge and further develop your skills to get the best out of FRAMECAD Structure and Detailer software including practical and technical tips. This course is designed mainly for those designers with existing FRAMECAD Structure & Detailer experience and would like to further advance their software capabilities.

THE COURSE:

This 3-day training course covers 2 Software Packages:

FRAMECAD Structure is CAD based software that allows for design and engineering capability for walls and trusses, complying with numerous international building standards (IBC, AS/NZS 1170, SANS, EN, etc.) and steel codes (such as AISI, AS/NZS 4600, SANS, EN, etc.).

FRAMECAD Structure allows for multiple loading conditions such as various wind zones, roof loads, snow loads and seismic conditions; all while allowing users to optimize designs and remain structurally sound.

FRAMECAD Structure is backed by supporting documentation, which focuses on methodology of design, design tables and sectional properties, all customized to your section profile, steel grade and gauge, and local environmental conditions.

FRAMECAD Structure is integrated with FRAMECAD Detailer to then detail the plans ready for manufacture by the FRAMECAD manufacturing plant.

FRAMECAD Detailer is an advanced detailing software package that allows a steel frame manufacturing operation to be modeled from scratch ready for manufacture, walls, roof trusses or roof panels and webbed sub-floors, or convert an architect's concept into detailed building plans ready for manufacture by FRAMECAD manufacturing plant.

FRAMECAD Detailer is fully integrated with the factory control system - FRAMECAD Factory, allowing transmission of building plans directly from design (using FRAMECAD Structure), to manufacturing and assembly integrating the manufacturing and design process seamlessly to increase production efficiencies.

REQUIREMENTS FROM ATTENDEES:

All attendees are required to:

- Be AutoCAD proficient users
- Ideally have 6 months experience with FRAMECAD Structure & Detailer
- Be familiar with construction practices
- Bring their laptop computer and mouse to this course
- Bring software HASPS for BOTH Structure and Detailer
- Confirm their attendance at least 2 weeks in advance by filling in the registration form

ACCOMMODATION AND TRANSPORT:

Customers are responsible for their own accommodations and transportation arrangements.

AGENDA – DAY 1:

8:30 AM – 9:00 AM	Introduction • Trainers • Attendees
9:00 AM – 9:15 AM	Course Description and Layout
9:15 AM – 10:30 AM	Cold Formed Steel Design • Bracing (floor/wall/roof) • Floor Diaphragms • Wind/Seismic Loading • Connectors • Logistics • Construction Practices
10:30 AM – 10:45 AM	Coffee/Tea Break
1 0 : 45 AM – 12:00 PM	Case Study (G+1)
12:00 PM – 12:45 PM	Lunch
12:45 AM – 3:15 PM	Structure - Creating Wall Frame Layouts • Updates and How To's • Background of FRAMECAD Structure Software • Intermediate Cad Skills and Hot Keys • Raked Walls • PSA Stud Alignment
3:15 PM – 3:30 PM	Coffee Break
3:30 PM – 4:45 PM	Structure - Creating Truss Layouts and Final Wall Frame Design • Truss Layout Concepts • RS Roof Shape • Half Trusses • Rafter Design • Radial Trusses
4:45 PM – 5:00 PM	Questions and Answers
5:00 PM	Adjourn

AGENDA – DAY 2:

8:30 AM – 9:00 AM	Review of Day 1
9:00 AM – 10:00 AM	Structure - Truss Design • Truss Detailing and Analysis • Truss Modification and Design
10:00 AM – 10:15 AM	Coffee/Tea Break
10:15 AM – 12:00 PM	Structure - Wall Frame Design (Lateral Loading) • Bracing Methods
12:00 PM – 12:45 PM	Lunch
12:45 – 1:15 PM	Importing to FRAMECAD Detailer • Import XML • View and Check • Intermediate 3d Model
1:15 PM – 2:45 PM	Roof Panels & Detailing
2:45 PM – 3:00 PM	Coffee Break
3:00 PM – 4:45 PM	Completion of Sample Project Design
4:45 PM – 5:00 PM	Questions and Answers
5:00 PM	Adjourn

AGENDA – DAY 3:

8:30 AM – 9:00 AM	Review of Days 1 and 2
9:00 AM – 10:30 AM	FRAMECAD Detailer Intermediate • Machine Configuration Options • Tool Actions • Auto Extend • Layer Management • Import DWG Files
10:30 AM – 10:45 AM	Coffee/Tea Break
10:45 AM – 12:00 PM	FRAMECAD Detailer • Case Study - 2 Levels • Frame Scripts • Wall Layouts • Assigning Properties • Editing
12:00 PM – 12:45 PM	Lunch
12:45 PM – 3:15 PM	FRAMECAD Detailer • Floor Layouts • Assigning Properties • Editing • Roof Layouts • Assigning Properties • Editing
3:15 PM – 3:30 PM	Coffee Break
3:30 PM – 4:15 PM	FRAMECAD Detailer • Roof Panels
4:15 PM – 4:30 PM	Questions and Answers
5:00 PM	Adjourn

FC AMERICA – TRAINEES

Eng. Alexander Beltran – Design Engineer FRAMECAD America

Alexander is a registered Civil/Structural Engineer, holds a Postgraduate Diploma in Construction Management and is close to obtain a MSc Degree in Structural Engineering. Alexander has been working in the Design and Project Management of CFS Structures within the global FRAMECAD client network for the past 10 years. He also has extensive experience in commercial construction projects, hydroelectrical power stations, contracts administration of civil/infrastructure projects and prestressed bridge design. Alexander has worked on multi-million-dollar projects in New Zealand and has been supporting our Technical and Sales Teams in New Zealand, Middle East and the Americas. Alexander speaks English and Spanish.

Eng. Eric Chastain – Design Engineer FRAMECAD America

Eric holds a degree in civil engineering with an emphasis in structural design. Eric has 18 years of practical CFS design and project management experience in the United States. He has worked on projects from single family homes to multi-million-dollar commercial projects. Eric supports our Technical team in New Zealand and our Sales team for North America.